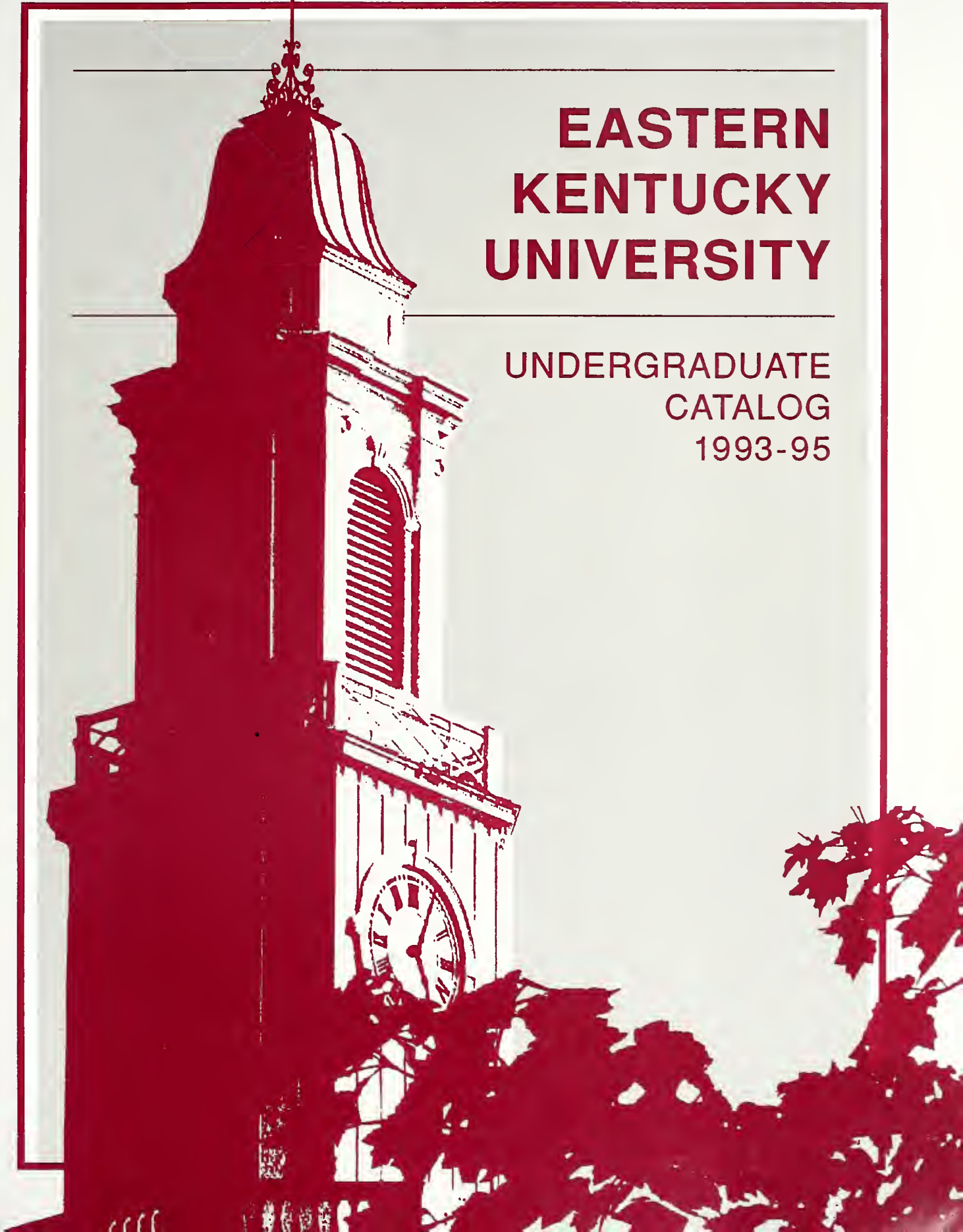
EASTERN KENTUCKY UNIVERSITY

UNDERGRADUATE CATALOG 1993-95



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Eastern Kentucky University Undergraduate Catalog

1993-1995

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Accreditations and Memberships

ACCREDITATIONS

EASTERN KENTUCKY UNIVERSITY IS ACCREDITED BY THE COMMISSION ON COLLEGES OF THE SOUTHERN ASSOCIATION OF COLLEGES AND SCHOOLS TO AWARD ASSOCIATE, BACCALAUREATE, MASTER, AND SPECIALIST IN EDUCATION DEGREES.

American Medical Association/Committee on Allied Health Education and Accreditation:
- Emergency Medical Technician/Paramedic
  (Associate Degree Program)
- Medical Assisting Technology
  (Associate Degree Program)
- Health Information
  (Associate and Baccalaureate Degree Programs)
  (Post-Baccalaureate Certificate Program)
- Clinical Laboratory Science
  (Associate and Baccalaureate Degree Programs)
- Occupational Therapy
  (Baccalaureate Degree and Post-Baccalaureate Certificate Programs)

American Speech-Language-Hearing Association
- Public Services Board (Clinic)
- Education and Training Board (Graduate Degree Program)

Computer Science Accreditation Commission of the Computer Science Accreditation Board
(Baccalaureate Degree Program)

Council on Social Work Education
(Baccalaureate Degree Program)

International Society of Fire Services Instructors Emergency Management Accreditation and Certification System
(Professional Qualifications Council for Industry)
(Baccalaureate Degree Program)

National Association for the Education of Young Children

National Association of Industrial Technology

National Association of Schools of Music

National Association of Schools of Public Affairs and Administration
(Master of Public Administration Degree Program)

National Athletic Trainers Association

National Council for the Accreditation of Environmental Health Curricula Environmental Health Science

National Council for Accreditation of Teacher Education

National League for Nursing
(Associate and Baccalaureate Degree Programs)

National Recreation and Park Association/American Association of Leisure and Recreation Joint Council on Accreditation

PROGRAMS, AS NOTED BELOW, ARE APPROVED BY ACCREDITING AGENCIES.

American Bar Association
- Paralegal
  (Associate and Baccalaureate Degree Programs)

American Chemical Society
- Chemistry
  (Bachelor of Science Degree Program)

The American Dietetics Association
- General Dietetics
  (Baccalaureate Degree Program)

Association for the Advancement of Health Education
- Health Education, School Health Option
  (Baccalaureate Degree Program)

Association of Graduate Faculties in Public Health
- Community Nutrition
  (Master of Science Degree Program)

Council of Applied Masters Programs in Psychology
- Clinical Psychology
  (Master of Science Degree Program)
- School Psychology
  (Specialist in Psychology Degree Program)

Kentucky Board of Nursing
- Nursing
  (Associate and Baccalaureate Degree Programs)

Kentucky Department of Education
- School Psychology
  (Specialist in Psychology Degree Program)

National Association for Sport and Physical Education
- Physical Education, K-12 Teaching Option
  (Baccalaureate Degree Program)

Public Relations Society of America
(Baccalaureate Degree Program)

MEMBERSHIPS

Academy of Criminal Justice Services
All-Terrain Vehicle Safety Institute
American Assembly of Collegiate Schools of Business
American Association of Colleges of Nursing
American Association of Colleges for Teacher Education
American Association of Collegiate Registrars and Admission Officers
American Association of State Colleges of Agriculture and Renewable Resources
American Association of State Colleges and Universities
American Association of University Women
American Association for Paralegal Education
American College Health Association
American Council for Construction Education
American Council on Education
American Driver and Traffic Safety Education Association
American Historical Association
American Home Economics Association
American Hospital Association
American Health Information Management Association Assembly on Education
American Political Science Association
American Society of Allied Health Professions
American Society of Human Genetics
American Society for Training and Development
American Technical Education Association
Associated Schools of Construction
Association for Computing Machinery
Association for General and Liberal Studies
Association for Gerontology in Higher Education
Association for School, College, and University Staffing, Inc.
Association for University Interior Designers

Association of Collegiate Business Schools and Programs
Association of Departments of English
Association of Governing Boards of Universities and Colleges
Association of Graduate Faculties in Public Health Nutrition
Association of Schools of Journalism and Mass Communication
Broadcast Education Association
Broadcast Promotion and Marketing Executives Association
College Placement Council, Inc.
Conference of Southern Graduate Schools
Council for Advancement and Support of Education
Council of Colleges of Arts and Sciences
Council of Graduate Departments of Psychology
Council of Graduate Schools
Council on Aviation Accreditation
Council on Social Work Education
International Reading Association
International Technology Education Association
Motorcycle Safety Foundation
National Association for Business Teacher Education
National Association for the Exchange of Industrial Resources
National Association for Foreign Student Affairs
National Association of Advisors for the Health Professions
National Association of College Admission Counselors
National Association of College and University Attorneys
National Association of Colleges and Teachers of Agriculture
National Association of Industrial Technology
National Association of School Music Dealers, Inc.
National Association of Schools of Music
National Association of Schools of Public Affairs and Administration
National Association of Student Personnel Administrators
National Collegiate Athletic Association
National Collegiate Honors Council
National Commission for Cooperative Education
National Council of Art Administrators
National Council of Teachers of English
National Environmental Health Association
National Faculty Exchange
National Fire Protection Association
National Intramural Recreational Sports Association
National League for Nursing
National Recreation and Park Association
National Safety Council
National University Continuing Education Association
National Wellness Association
Southeastern Association of Advisors for the Health Professions
Southern Association of Colleges and Schools, Inc.
Southern Association of Collegiate Registrars and Admission Officers
Southern Association of Community, Junior, and Technical Colleges
Southern Council on Collegiate Education for Nursing
Southern Regional Education Board
Southern Regional Honors Council
Teacher Education Council of State Colleges and Universities
Travel and Tourism Research Association
University Aviation Association

All statements in this publication are announcements of present policy only and are subject to change at any time without prior notice. They are not to be regarded as offers to contract.

Eastern Kentucky University is an Equal Opportunity-Affirmative Action employer and does not discriminate on the basis of age, race, color, religion, sex, handicap, or national origin in the admission to, or participation in, any educational program or activity which it conducts, or discriminate on such basis in any employment opportunity. Any complaint arising by reason of alleged discrimination shall be directed in writing to the Affirmative Action Officer, Million House, Eastern Kentucky University, Richmond, Kentucky 40475, telephone number (606) 622-1258.

The Board of Regents of Eastern Kentucky University does hereby reaffirm that neither race, nor creed, nor color, nor sex, nor handicap shall be a criterion for admission to any part of any program or activity conducted by Eastern Kentucky University.

Eastern Kentucky University is an Equal Opportunity/Affirmative Action educational institution.

Eastern Kentucky University is committed to providing a healthy and safe environment for its students, faculty, and staff. In order to fulfill this commitment and to comply with the Drug-Free Workplace Act of 1988 and the Drug-Free Schools and Communities Act Amendment of 1989, Eastern Kentucky University gives the following notice:

By University regulations, federal laws, state laws, and local ordinances, students, faculty, and staff are prohibited from the unlawful possession, use, dispensation, distribution, or manufacture of illicit drugs on University property or University sponsored activities.

Any member of the University student body, faculty, or staff who violates these standards of conduct shall be subject to appropriate disciplinary action up to and including suspension and/or termination. In addition to disciplinary sanctions relating to the above offenses, students or employees may face prosecution and imprisonment under federal and/or state laws which make such acts felony and misdemeanor crimes. The specifically defined standards or conduct, the disciplinary procedures and possible sanctions appear in the *Student Handbook* and the *Faculty/Staff Handbook*. A pamphlet describing legal sanctions and health hazards associated with drug use and available educational and counseling programs is available at the counseling center.

Eastern Kentucky University does not discriminate on the basis of disability in the admission or access to, or treatment or employment in, its programs or activities.

Director of Services for the Disabled, Turley House, Room 1, Eastern Kentucky University, Richmond, Kentucky 40475, has been designated to coordinate compliance with the non-discrimination requirements contained in section 35.107 of the Department of Justice regulations. Information concerning the provisions of the Americans with Disabilities Act (ADA), and the rights provided thereunder, are available from the ADA coordinator.

Eastern Kentucky University does not discriminate on the basis of race, color, national origin, sex, religion, age, or disability in employment or the provision of services.

UNIVERSITY CALENDAR

FALL SEMESTER 1993

August	15	Residence halls open, 12:00 noon.
	16	Wrap-up registration period begins.
	17	Wrap-up registration period ends. Freshman "Kick Off '93" begins.
	18	Schedule change ("Drop-Add") period begins.
	19	Day and evening classes begin as scheduled. Late registration period begins. Evening registration period begins, 4:15-6:00 p.m.
	21	University Writing Requirement Exam.
	24	Late registration and schedule change periods for day classes end.
	25	Evening registration and schedule change periods for evening classes end.
September	6	Holiday.
October	1	University Writing Requirement Exam.
	11	Holiday.
	13	Last day to drop a full-semester class or to withdraw from the University.
	20	Mid-semester grade reports due to the Registrar.
November	23	Holiday begins at 6:00 p.m. No evening classes.
	29	Classes resume.
December	1	"Pre-Final Examination Period" begins.
	7	Day classes end.
	8	Final examination period for day classes begins. Evening classes end.
	9	Final examination period for evening classes begins.
	11	Recognition reception for candidates completing degree requirements during the Fall Semester 1993.
	15	Final examination period ends. Fall semester ends.

SPRING SEMESTER 1994

January	2	Residence halls open, 12:00 noon.
	3	Wrap-up registration period begins.
	4	Wrap-up registration period ends.
	5	Schedule change ("Drop-Add") period begins.
	6	Day and evening classes begin as scheduled. Late registration period begins. Evening registration period begins, 4:15-6:00 p.m.
	8	University Writing Requirement Exam.
	11	Late registration and schedule change periods for day classes end.
	12	Evening registration and schedule change periods for evening classes end.
	17	Holiday.
February	21	Holiday.
	25	University Writing Requirement Exam.
March	2	Last day to drop a full-semester class or to withdraw from the University.
	9	Mid-semester grade reports due to the Registrar.
	13	Spring break begins.
	21	Classes resume.
April	22	"Pre-Final Examination Period" begins.
	27	Evening classes end.
	28	Day classes end. Final examination period for evening classes begins.
	29	Final examination period for day classes begins.
May	6	Final examination period ends.
	8	Commencement exercises, 1:30 p.m. Spring semester ends.

INTERSESSION 1994

May	9	Classes begin as scheduled. Registration period ends.
	20	Last day to withdraw from Intersession.
	30	Holiday.
June	3	Intersession ends.

SUMMER SESSION 1994

June	5	Residence halls open, 12:00 noon.
	6	Wrap-up registration period begins.
	7	Classes begin as scheduled. Late registration and schedule change periods begin.
	9	Late registration and schedule change periods end.
July	4	Holiday.
	5	Last day to drop a full-session class.
	28	Commencement exercises.
	29	Summer session ends.

FALL SEMESTER 1994

August	14	Residence halls open, 12:00 noon.
	15	Wrap-up registration begins.
	16	Wrap-up registration ends.
		Freshman "Kick Off '94" begins.
	17	Schedule change ("Drop-Add") period begins.
	18	Day and evening classes begin as scheduled.
		Late registration period begins.
		Evening registration period begins, 4:15-6:00 p.m.
	20	University Writing Requirement Exam.
	23	Late registration and schedule change periods for day classes end.
	24	Evening registration and schedule change periods for evening classes end.
September	5	Holiday.
	30	University Writing Requirement Exam.
October	10	Holiday.
	12	Last day to drop a full-semester class or to withdraw from the University.
	19	Mid-semester grade reports due to the Registrar.
	22	Holiday begins at 6:00 p.m. No evening classes.
	28	Classes resume.
	30	"Pre-Final Examination Period" begins.
December	6	Day classes end.
	7	Final examination period for day classes begins.
		Evening classes end.
	8	Final examination period for evening classes begins.
	10	Recognition reception for candidates completing degree requirements during the Fall Semester 1994.
	14	Final examination period ends.
		Fall semester ends.

SPRING SEMESTER 1995

January	8	Residence halls open, 12:00 noon.
	9	Wrap-up registration period begins.
	10	Wrap-up registration period ends.
	11	Schedule change ("Drop-Add") period begins.
		University Writing Requirement Exam.
	12	Day and evening classes begin as scheduled.
		Late registration period begins.
		Evening registration period begins, 4:15-6:00 p.m.
	16	Holiday.
	18	Late registration and schedule change periods for day classes end.
		Regular registration and schedule change periods for evening classes end.
	23	Registration for Monday evening classes only, 4:15-6:00 p.m.
February	20	Holiday.
March	3	University Writing Requirement Exam.
	8	Last day to drop a full-semester class or to withdraw from the University.
	15	Mid-semester grade reports due to the Registrar.
	19	Spring break begins.
	27	Classes resume.
April	28	"Pre-Final Examination Period" begins.
May	3	Evening classes end.
	4	Day classes end.
		Final examination period for evening classes begins.
	5	Final examination period for day classes begins.
	12	Final examination period ends.
	13	Commencement exercises, 1:30 p.m.
		Spring semester ends.

INTERSESSION 1995

May	15	Classes begin as scheduled.
		Registration period ends.
	26	Last day to withdraw from Intersession.
	29	Holiday.
June	9	Intersession ends.

SUMMER SESSION 1995

June	11	Residence halls open, 12:00 noon.
	12	Wrap-up registration period begins.
	13	Classes begin as scheduled.
		Late registration and schedule change periods begin.
	15	Late registration and schedule change periods end.
July	4	Holiday.
	11	Last day to drop a full-session class.
August	3	Commencement exercises.
	4	Summer session ends.

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Introduction

Eastern Kentucky University is a regional, coeducational, public institution of higher education offering general and liberal arts programs, pre-professional and professional training in education and various other fields at both the undergraduate and graduate levels. Located in Richmond, Madison County, Kentucky, Eastern has a distinguished record of more than nine decades of educational service to the Commonwealth.

Situated near the heart of the Bluegrass, Richmond is served by a network of major highways which makes Eastern easily accessible from all parts of Kentucky and surrounding states. Richmond is 26 miles southeast of Lexington, Kentucky. Interstate Highways I-75 (north-south) and I-64 (east-west) make the metropolitan areas of Cincinnati, 112 miles to the north, and Louisville, 110 miles to the west, within convenient distance by automobile. Richmond is also served by U.S. Route 25 from Southeastern Kentucky and Kentucky Route 52 from the east and west. The Kentucky Turnpike and the Mountain, Daniel Boone, and Cumberland Parkways provide even greater accessibility by automobile since the city is located near the convergence of these arterial highways into the interstate system.

Richmond, the county seat of Madison County, is an expanding community of approximately 24,000 population. Served by fine churches representing most Christian faiths, the community provides an excellent environment for the university student.

In and around Richmond are many areas of historic and scenic interest. Boonesborough State Park, birthplace of Kentucky, is located 12 miles to the north. Many other historical places are within easy driving distance. Scenic and recreational areas surround this section of the state.

History

The Kentucky General Assembly of 1906 enacted legislation establishing the Eastern Kentucky State Normal School. Governor J. C. Beckham signed the bill into law on March 21, 1906. On May 7 of that year, the Normal School Commission, meeting in Louisville, selected the campus of the old Central University, founded in 1874, in Richmond, Kentucky, as the site of the new school. On June 2, 1908, Ruric Nevel Roark was chosen President of the Normal School and the training of teachers was begun.

In 1922, Eastern became a four-year institution known as the Eastern Kentucky State Normal School and Teachers College. The first degrees were awarded by this institution in 1925. In 1928, the College was accredited by the Southern Association of Colleges and Secondary Schools. In 1930, the General Assembly renamed the school the Eastern Kentucky State Teachers College.

In 1935, a graduate program was approved at Eastern, leading to the Master of Arts degree in Education. In 1948, the General Assembly removed the word "Teachers" from the name of the college and granted the college the right to award nonprofessional degrees.

The most significant day since its founding came for Eastern on February 26, 1968, when Governor Edward T. Breathitt signed into law a bill renaming the institution Eastern Kentucky University and sanctioning the awarding of graduate degrees in academic fields other than education.

During this period of time, Eastern Kentucky University has increased rapidly in size and stature. Beginning with a few students engaged in short review and certificate courses, the University today serves thousands of Kentuckians. The curriculum leads to associate degrees, baccalaureate degrees, and an expanding graduate program that currently offers degrees at the master's level in many other fields as well as the already well-established Master of Arts degree in Education and the various fifth- and sixth-year leadership programs in education. Specialist degree programs have been implemented in education, psychology, and technology. In addition to these programs, Eastern offers joint doctoral programs with cooperating institutions.

Ever-mindful of the purpose of its founding, Eastern continues to recognize its historic function of preparing quality teachers for the elementary and secondary schools of the Commonwealth. However, a strong liberal arts curriculum leading to appropriate degrees, together with pre-professional courses in several areas and graduate programs, enable Eastern to serve the Commonwealth as a regional university.

Purpose

Within its statutory responsibilities, Eastern Kentucky University seeks to provide intellectual and cultural opportunities which will develop habits of scholarship and intellectual curiosity; provide a deep understanding of American democracy and the citizen's role in

maintaining its strength and vitality; impart an understanding of humans and their aspirations; enable effective and efficient communication; and prepare productive and responsible citizens. The University will remain responsive and flexible in order to serve in unique and needed ways.

Within these general responsibilities and purposes, the University has three specific functions—teaching, public service, and research—and places emphasis on the three in this order. Through its colleges and schools, the University seeks to offer quality instruction at a variety of degree levels in general education, the arts, the sciences, business, education, pre-professional and professional areas, and applied and technical disciplines. Through consultative services, continuing education, and the extended campus, the University seeks to provide service to the community and the region. Research seeks both to advance knowledge in the subject matter areas with which the University is concerned and to support the primary function of teaching.

Mission Statement

Eastern Kentucky University shall serve as a residential, regional university offering a broad range of traditional programs to the people of Central, Eastern, and Southeastern Kentucky. Recognizing the needs of its region, the University should provide programs at the associate and baccalaureate degree levels, especially programs of a technological nature.

Subject to demonstrated need, selected master's degree programs should be offered, as well as the specialist programs in education. The elimination of duplicative or nonproductive programs is desirable, while development of new programs compatible with this mission is appropriate.

The University should continue to meet the needs in teacher education in its primary service region and should provide applied research, service, and continuing education programs directly related to the needs of its primary service region.

Because of the University's proximity to other higher education and post-secondary institutions, it should foster close working relationships and develop articulation agreements with those institutions. The University should develop cooperative applied research and teaching programs using resources such as Maywoods and Lilley Cornett Woods and Pilot Knob Sanctuary.

Institutional Goals

The following institutional goals have been adopted by the Board of Regents:

(1) To be a comprehensive, public, residential university of the Commonwealth of Kentucky.

(2) To provide academic programs of the highest possible quality and to enhance access to these programs. To these ends, the University strives:
   (a) To employ and retain faculty with outstanding academic preparation and with a commitment to excellence in teaching and learning.
   (b) To attract students of high academic promise to the University and to provide them with a challenging academic experience.
   (c) To provide access to higher education for citizens of the Commonwealth through reasonably open admission policies, relatively low student costs, and a program of financial assistance.
   (d) To serve as a school of opportunity by providing, as a condition of admission and retention, a mandatory developmental program to allow under-prepared students to rapidly attain the skills necessary for rigorous college-level courses.

(3) To provide an environment for learning and individual development of the highest possible quality.

(4) To maintain an adequate enrollment of out-of-state residents and foreign nationals to enrich the educational experience for all students while emphasizing the enrollment of Kentucky students.

(5) To support the nondiscrimination policy of the Board of Regents and to meet or exceed the goals of the Commonwealth's plan for desegregation of higher education.

(6) To provide intellectual and cultural opportunities which will develop habits of scholarship and intellectual curiosity; provide a deep understanding of American democracy and the citizen's role in maintaining its strength and vitality; impart an understanding of humans and their aspirations; enable effective and efficient communication; and prepare productive and responsible citizens. To these ends, the University strives:
   (a) To offer associate degree programs which are based on student interests and/or societal needs, which are integrated when appropriate with baccalaureate degree programs for individuals preparing themselves in a university setting, and which contain a general education component.
   (b) To offer baccalaureate and pre-professional programs based on student interests and/or societal needs with a strong general education program as a component of each degree program.
   (c) To offer graduate programs based on student interests and/or societal needs which provide advanced study through instruction and research, strengthen the disciplines, and contribute to the total research and/or service efforts of the institution.

(7) To provide for individuals and agencies those educational outreach, public service, and continuing education opportunities which are compatible with the University's mission and resources.

(8) To support and encourage research as an important scholarly activity, recognizing its contribution to effective teaching and learning, its value to the knowledge of the disciplines, and its value to public service.

(9) To manage and protect for posterity and to make available for instruction, research, and public use, selected natural areas that are unique or valuable for their biological, physical, and historical significance.

(10) To provide for the university community and general public a center which promotes artistic and cultural awareness, scholarly pursuits, the free exchange of ideas, and critical thinking.

(11) To provide support services which promote the development and well being of the members of the university community.

(12) To be solvent and financially accountable to appropriate agencies.

COLLEGE OF ALLIED HEALTH AND NURSING

The College of Allied Health and Nursing has the purposes: (1) to provide high quality programs at the undergraduate and graduate levels for individuals who wish to pursue a health profession; (2) to assist the student in recognizing the need for accountability to the various "publics" within the health care system; (3) to provide information and consultation to the community and the professions for planning and development of quality health services; (4) to encourage development of learning experiences that will enhance the team concept in health care and the principles of lifelong learning; (5) to provide opportunities, instruction, and guided experiences by which students may gain the basic knowledge and skills

essential to the practice of their respective profession; (6) to provide career guidance that will attract high quality students who will find a rewarding career in the health care field; (7) to investigate societal needs for health care and patterns of effective delivery; (8) to encourage students and graduates to make meaningful contributions towards the promotion of health and prevention of disease and disability; (9) to provide for career mobility and continuing education within the various health professions; and (10) to ensure the admission process supports the nondiscrimination policy.

COLLEGE OF APPLIED ARTS AND TECHNOLOGY

The College of Applied Arts and Technology has the purposes: (1) to provide selected instructional programs to prepare people for careers in the applied arts and technologies; (2) to offer associate degree, baccalaureate degree, and pre-professional programs that meet the students' needs and interests; (3) to foster the career-ladder concept by providing opportunities for students completing the associate (two-year) degree programs, to transfer to a baccalaureate degree program with minimum loss of credits; (4) to offer graduate programs that meet students' needs and interests; (5) to provide a program of academic advising for students; (6) to offer selected general education courses; (7) to provide academic specialization for students in teacher certification programs and supporting courses for students majoring in other fields; (8) to encourage the development of interdisciplinary programs/courses, both inter-college and intra-college in nature; (9) to serve the community and region through public service; (10) to contribute to the professional growth of individuals in their careers; (11) to encourage the improvement of the teaching-learning relationship through improvement of instruction, effective utilization of available resources, and through academic and creative program review and evaluation; and (12) to support, encourage, and engage in scholarly activities which contribute to the primary function of teaching, to the advancement of the discipline, and to the strengthening of public service.

COLLEGE OF ARTS AND HUMANITIES

The College of Arts and Humanities has the purposes: (1) to provide courses of study for academic majors in the arts and humanities and to offer programs to prepare students for professional and pre-professional fields; (2) to provide leadership in its areas of general education, appropriate general education courses, and an interdisciplinary program in general education; (3) to provide a program of academic advising for students majoring in programs within the College; (4) to provide academic specialization for students in teacher certification programs and to provide supporting courses for students majoring in other fields; (5) to encourage the development of interdisciplinary and intercultural programs/courses; (6) to encourage the improvement of instruction through the utilization of available resources; (7) to provide cultural opportunities for the greater university community through courses and events in music, theatre, and art; and (8) to serve the community and region through public service and to engage in research to advance knowledge and enhance the primary function of instruction.

COLLEGE OF BUSINESS

The College of Business has the purposes: (1) to offer a wide range of business-oriented, academic programs which will prepare graduates to enter both the private and public sectors of our economy; to accomplish this, degree programs will be offered at graduate, baccalaureate, and associate levels; (2) to maintain a high quality of instruction; (3) to encourage academically-able students; (4) to encourage cross-cultural exchanges; (5) to offer business-related public service and continuing education opportunities; (6) to encourage applied research related to business disciplines; and (7) to support the University's economic development objectives.

COLLEGE OF EDUCATION

The College of Education has the purposes: (1) to provide courses of study for academic majors in education, including certification programs for teachers and other supporting school personnel, and programs for related human services personnel; (2) to provide the academic and field experiences necessary for students to function effectively in a culturally diverse society; (3) to provide academic and field experiences in preparing teachers to ensure that all children receive their education in the least restrictive setting; (4) to provide a program of academic advising for students majoring in programs within the College; (5) to cooperate with the other colleges in the programs of students in teacher certification programs; (6) to encourage the development of interdisciplinary programs/courses, both inter- and intra-college in nature; (7) to encourage the improvement of the teaching-learning relationship through improvement of instruction, utilization of available resources, and through academic program review and evaluation; (8) to serve the community and region by working cooperatively with their school systems; and (9) to engage in research to advance knowledge and enhance the primary function of instruction.

COLLEGE OF HEALTH, PHYSICAL EDUCATION, RECREATION, AND ATHLETICS

The College of Health, Physical Education, Recreation, and Athletics has the purposes: (1) to provide quality teaching and an atmosphere that is conducive to learning; (2) to provide a program of academic advising for students majoring in programs within the College; (3) to provide selected general education courses; (4) to offer associate, baccalaureate, graduate, and non-degree programs that meet students' interests and needs; (5) to cooperate with other colleges in offering degree and non-degree programs that meet students' interests and needs; (6) to provide leisure, academic, and wellness services to the University; (7) to provide public services in faculty areas of expertise; (8) to support and engage in research which contributes to quality teaching and learning, to improvement of various disciplines, and to needed public service; (9) to promote high level wellness as a way of life; and (10) to provide an NCAA division I level intercollegiate athletic program in a variety of sports and open to students of diverse backgrounds.

COLLEGE OF LAW ENFORCEMENT

The College of Law Enforcement has the purposes: (1) to prepare citizens for productive citizenship roles; (2) to prepare personnel for positions in the private and public safety sectors of society; (3) to prepare personnel for teaching in one of the fields within each departmental area; (4) to conduct research in the broad areas contained within each departmental program; and (5) to provide service programs pertinent to the broad areas contained within each departmental program.

COLLEGE OF NATURAL AND MATHEMATICAL SCIENCES

The College of Natural and Mathematical Sciences strives to accomplish the following goals: (1) to provide academic programs, curricula, and courses in the natural and mathematical sciences that lead to baccalaureate and master degrees and that prepare students for pre-professional and professional fields; (2) to provide academic courses for students that support the teacher education programs at both the undergraduate and graduate levels; (3) to provide leadership in the College's areas of general education in the natural and mathematical sciences and to provide appropriate discipline and interdisciplinary courses in general education; (4) to provide support and developmental courses in the natural and mathematical sciences for all students in the University; (5) to

provide a program of academic advising for students majoring in programs within the College; (6) to encourage the teaching-learning relationship by improvement of instruction, utilization of available resources, review and evaluation of academic programs, and providing opportunities for professional development; (7) to provide all students enrolled in courses in the natural and mathematical sciences with access to up-to-date computer/laboratory/field equipment for learning purposes and to provide audio-visual and computer assisted instruction on an individualized basis as an extension of natural and mathematical science courses and research efforts; (8) to develop assessment criteria and an evaluational process to measure the effectiveness of established program objectives, and incorporate the results into the College planning process; (9) to engage in research that advances knowledge in the natural and mathematical sciences, enhances the College's primary function of instruction, and benefits the University's service area; (10) to provide public service for the local community, region, and the Commonwealth; (11) to support and utilize the University's natural areas as sites for advancement of scientific knowledge in the ecological and environmental disciplines of the natural sciences; (12) to encourage the development of disciplinary and integrated courses/programs, both inter- and intra-college in nature; (13) to provide information on careers in the natural and mathematical sciences and professional assistance in recruitment of students including minority students to support the University's non-discrimination policy; and (14) to cooperate with all educational institutions in our service area in disseminating information and providing mutual support in attaining the highest possible quality courses/programs/workshops/conferences in the natural and mathematical sciences.

COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES

The College of Social and Behavioral Sciences has the purposes: (1) to offer high quality associate degree programs, baccalaureate programs, pre-professional programs, and graduate programs in the social and behavioral sciences; (2) to provide academic specialization for students in teacher certification programs in the social and behavioral sciences; (3) to provide leadership in general education and to provide appropriate general education courses in the social and behavioral sciences; (4) to encourage the development of interdisciplinary courses and programs; (5) to offer elective courses, support courses, and academic minors in the social and behavioral sciences for students majoring in other disciplines; (6) to maintain an outstanding faculty in the College through faculty development and careful recruitment; (7) to provide improved support for the programs and faculty of the College through efficient utilization of existing resources and through the acquisition of additional resources, both externally and internally; (8) to provide an effective academic advising system for students majoring and minoring in the College; (9) to provide service in the social and behavioral sciences for the University, the community, and related professions; (10) to provide information to the public regarding degree programs and services offered by the College; and (11) to encourage and support basic and applied research and scholarship in the social and behavioral sciences.

OFFICE OF ACADEMIC SUPPORT AND UNDERGRADUATE STUDIES

The Office of Academic Support and Undergraduate Studies coordinates the delivery of those services that support the academic pursuits of undergraduate students, such as admission, orientation, advising and registration, and career planning. In addition, it coordinates campus-wide undergraduate academic programs, including those in general education, honors, cooperative education, international education, and developmental studies. The dean for Academic Support and Undergraduate Studies serves as chair of the University General Education Committee.

OFFICE OF GRADUATE STUDIES AND RESEARCH

The Office of Graduate Studies and Research provides leadership in the administration of graduate education, extended campus programs, and university-wide research. The Graduate School has as its basic purpose the administrative responsibility of all programs beyond the baccalaureate level at the University. It is charged: (1) to provide coordination between the colleges in the development of the University's graduate offering; (2) to act as a central source of information; (3) to recruit, admit, and register students in advanced programs; (4) to oversee the advising of graduate students; and (5) to coordinate the University's program of graduate assistantships.

2 STUDENT SERVICES INFORMATION

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Expenses

Since registration and other fees and residence hall room rents are subject to change periodically, no attempt is made in this publication to itemize these costs. This information is available from the Division of Admissions prior to the beginning of each academic year.

Classification of Residency For Admission and Tuition Assessment Purposes

Statutory Authority: KRS 164.020, KRS 164.030

NECESSITY AND FUNCTION. Public institutions of higher education were established and are maintained by the Commonwealth of Kentucky primarily for the benefit of qualified residents of Kentucky. The substantial commitment of public resources to higher education is predicated on the proposition that the state benefits significantly from the existence of an educated citizenry. As a matter of policy, access to higher education is provided so far as feasible at reasonable cost to residents of the state. It is the long-standing practice of the Council on Higher Education to require students who are not Kentucky residents to meet higher admission standards and to pay a higher level of tuition than resident students. The Commonwealth of Kentucky uses residency requirements to determine items such as voting rights, income tax liability, and employment in certain occupations. The requirements vary in form and substance for each of these uses. The purpose of this regulation is to establish a process and corresponding criteria for the residency classification of students seeking admission to, or enrolled in, public institutions of higher education. Furthermore, it is the intent of the Council on Higher Education that this regulation be interpreted and applied in a uniform manner, as described herein, in determining whether students shall be classified as residents or nonresidents for admission and tuition assessment purposes.

Section 1. Definitions. The language of this regulation on residency classification contains some legal terms as well as everyday terms which have specialized meaning in the determination of residency for admission and tuition assessment purposes. The following definitions apply in the interpretation and application of this regulation:

(1) "Academic term" means a division of the school year during which a course of studies is given, e.g., semester, quarter, or intersession.

(2) Enrollment at a college or colleges shall be deemed "continuous" if the person claiming "continuous" enrollment continues to be enrolled at the same degree level for consecutive terms (excluding summer) since the beginning of the period for which continuous enrollment is claimed. The sequence of continuous enrollment is broken if the student fails to enroll, except under extenuating circumstances beyond the student's control, e.g., serious personal illness or injury, or illness or death of parent.

(3) "Degree level" means one (1) of the following:
   (a) Undergraduate (enrollment in courses or programs which result in the baccalaureate degree or lower);
   (b) Graduate (enrollment in courses or programs which result in a postbaccalaureate degree other than the first-professional degrees in law, medicine, and dentistry); or
   (c) Professional (enrollment in courses or programs which result in a professional degree in law, medicine, or dentistry.)

(4) The term "dependent person" means a person who is unable to meet all of the criteria listed in subsection (9) of this section.

(5) "Documentation" refers to the submission of source documents, e.g., official letters, papers, or sworn statements. As a general rule, evidence cited as the basis for domicile shall be documented, and the required documentation shall accompany the application for residency classification.

(6) The term "domicile" means a person's true, fixed, and permanent home. It is the place where the person intends to remain, and to which the person expects to return without intending to establish a new domicile elsewhere. "Legal residence" and domicile convey the same notion of permanence and are used interchangeably.

(7) "Full-time employment" means employment for at least forty-eight (48) work weeks at an average of at least thirty (30) hours per week.

(8) "Half-time enrollment" means any enrollment during an academic term which is equal to one-half (1/2) of full time as determined by the governing board of the institution.

(9) The term "independent person" means a person who meets all of the following criteria. An independent person is one:
   (a) Whose parent has not claimed such person as a dependent on federal or state income tax returns for the tax year preceding the date of application for reclassification of residency status;
   (b) Who demonstrates no financial dependence upon parent(s); and

(c) Whose parents' income is not taken into account by any private or governmental agency furnishing educational financial assistance to the person, including scholarships, loans, and other assistance.

(10) The terms "institution," "institution of higher education," or "college" refer to all institutions, public or private, offering instruction and conferring degrees beyond the secondary school level, such as four (4) year colleges or universities, seminaries, two (2) year institutions (community colleges and junior colleges), and postsecondary vocational-technical schools.

(11) The term "nonresident" means a person who currently maintains legal residence outside Kentucky or has not met the criteria for establishing residency as defined in this regulation.

(12) The term "parent" means one (1) of the following:
(a) a person's father or mother, or
(b) a court-appointed legal guardian.
The term "parent" shall not apply if the guardianship has been established primarily for the purpose of conferring the status of resident on a person.

(13) The term "resident" means a person who is a legal resident of Kentucky based upon fulfilling the criteria for establishing residency as set out in Section 2 of this regulation.

Section 2. Guidelines for Determination of Residency.

(1) Initial classification of residency shall be determined based upon the facts existing when the conditions governing admission for a specific academic term have been met. Initial residency determinations generally are made on the basis of information derived from admissions materials. An undergraduate student whose admissions records show the student to be a graduate of an out-of-state high school is presumed to be a nonresident and shall be initially so classified. A student whose admissions records indicate the student's domicile to be outside of Kentucky at time of application is presumed to be a nonresident and shall be initially so classified.

(2) The domicile of a dependent person is that of either parent. The domicile of the parent shall be determined in the same manner as the domicile of an independent person.

(3) The domicile of a dependent person whose parents are divorced, separated, or otherwise living apart shall be presumed to be Kentucky if either parent is a resident of the Commonwealth regardless of which parent has legal custody or is entitled to claim that person as a dependent pursuant to Kentucky income tax provisions.

(4) Evidence submitted on behalf of a dependent person shall pertain to the domicile of the parent(s). A person claiming independent status shall document that proclaimed status and demonstrate that domicile in Kentucky has been established.

(5) Any dependent person whose parent(s), having domicile in this state, moves from this state shall be entitled to classification as a resident while in continuous enrollment at the degree level in which currently enrolled. When continuous enrollment is broken or the current degree level is completed, the person's residency classification shall be reassessed in accordance with the appropriate sections of this regulation.

(6) An independent person who moves to Kentucky and within twelve (12) months enrolls in an institution of higher education more than half-time shall be presumed to have come to Kentucky primarily for educational purposes rather than to establish domicile in Kentucky. Such person shall be classified as a nonresident unless establishment of a Kentucky domicile can be demonstrated in accordance with Section 3 of this regulation.

(7) Upon moving to this state, an independent person who provides clear and convincing evidence of domicile shall be eligible for resident classification of self, spouse, or dependent children, provided that any of these persons is not in this state primarily as a student. A person who moves to Kentucky primarily for the purpose of enrollment of either self, spouse, or dependent in an institution of higher education shall not be granted resident classification unless such person can demonstrate establishment of a Kentucky domicile in accordance with Section 3 of this regulation.

(8) If an independent person or the parent of a dependent person moves out-of-state, domicile, having been established in Kentucky, is retained until steps are taken to establish domicile elsewhere. The same facts and conditions which are presumed in establishing a Kentucky domicile are similarly presumed in determining when a former Kentucky domicile has been abandoned. In the absence of clear and convincing evidence as to the domicile of an independent person who at one time had domicile in Kentucky, that person is presumed to have lost Kentucky domicile upon a one (1) year absence from the state.

(9) An individual shall not be deemed to have established domicile in this state solely by reason of marriage to a Kentucky resident. However, the fact of marriage to a Kentucky resident shall be deemed relevant evidence to be considered in ascertaining domiciliary intent. A student initially classified as a nonresident who marries a Kentucky resident shall be eligible for resident classification if the requisite criteria listed in Section 3 of this regulation are met.

(10) Given transfer to, or matriculation in, another Kentucky public institution of higher education, the student's residency classification shall be reassessed by the receiving institution.

(11) An individual whose domicile was Kentucky at the time of induction into the military, and who maintains Kentucky as home of record and permanent address, shall be entitled to resident status if the individual returns to this state within six (6) months of the date of discharge from active duty.

(12) A member or the spouse of a member of the Armed Forces of the United States stationed in Kentucky on active military orders is considered domiciled in the state and shall be entitled to classification as a resident while the member is on active duty in this state pursuant to such orders. The spouse of the member, while in continuous attendance at the degree level in which currently enrolled, shall not lose resident status when the member is thereafter transferred on military orders. Individuals classified under this section shall be reassessed in accordance with the appropriate sections of this regulation when the qualifying condition is terminated. This regulation is invalid if the individual is stationed in Kentucky for the purpose of enrollment at an institution of higher education or on temporary assignment of less than one (1) year.

(13) A dependent person whose parent is a member of the Armed Forces and stationed in this state on active duty pursuant to military orders shall be classified as a resident. The student, while in continuous attendance at the degree level in which currently enrolled, shall not lose resident status when the parent is thereafter transferred on military orders. When continuous attendance is broken or the current degree level is completed, the person's residency classification shall be reassessed in accordance with the appropriate sections of this regulation. This subsection does not apply if the parent is stationed in Kentucky for the purpose of enrollment at an institution of higher education or on a temporary assignment of less than one (1) year.

(14) Any person holding a permanent residency visa or classified as a political refugee has the capacity to remain in Kentucky indefinitely and shall establish domicile in the same manner as any other person. Time spent in Kentucky and progress made in fulfilling conditions of domicile as stated in Section 3(1) prior to obtaining permanent status may be considered in establishing Kentucky domicile.

(15) Any person holding a nonimmigrant visa with designation A, E, G, H, I, or L may remain in Kentucky as long as the authorized purpose or established need continues and may establish domicile the same as any other person. In assessing the residency status of such a person, other sections of this regulation shall apply and the person's purpose and length of stay as well as other conditions governing presence in Kentucky shall be determined and considered. If this review justifies a resident classification, the person shall be classified as a resident for admission tuition assessment purposes.

(16) Any person holding a nonimmigrant visa with designation B, C, D, F, J, K or M does not have the capacity to remain in Kentucky indefinitely and may not attain Kentucky resident status for admission and tuition assessment purposes.

(17) Pursuant to KRS 164A.330 and 200 KAR 16:040, beneficiaries of a Kentucky Educational Savings Plan Trust shall be granted resident classification for tuition purposes if:
   (a) The beneficiary is covered under a vested participation agreement;
   (b) The beneficiary has been a continuous resident of the Commonwealth of Kentucky during the eight (8) year vestment period; and
   (c) The beneficiary enrolls in an institution of higher education in Kentucky prior to enrollment in any other educational institution.

(18) No independent person shall be presumed to have gained resident status while being enrolled in any institution of higher education more than half-time in the absence of clear and convincing evidence that the person has established domicile in Kentucky.

(19) Domicile shall not ordinarily be conferred by the performance of acts which are auxiliary to fulfilling educational objectives or are performed as a matter of convenience. Mere physical presence in Kentucky (including living with relatives or friends) is not sufficient evidence of domicile.

Section 3. Types of Evidence to be Considered for Establishment of Domicile.

(1) Evidence submitted on behalf of a dependent person shall pertain to the domicile of either parent. Initial classifications generally are made on the basis of information derived from admissions materials, and individuals who enroll in college immediately following graduation from high school and remain enrolled are treated as dependent persons unless the contrary is evident from the information submitted. In such cases, domicile shall be inferred from the student's permanent address, parent's mailing address, or location of high school of graduation.

(2) A person claiming independent status shall document independent status under Section 1(5) of this regulation and shall demonstrate by clear and convincing evidence that domicile in Kentucky has been established by that person's acts. If an independent person asserts that domicile in Kentucky has been established, the person has the burden of proving that assertion by clear and convincing evidence.

(3) The determination of domicile shall be based upon verifiable circumstances or actions. No single fact is paramount, and each situation shall be evaluated to identify those facts which are essential to the determination of domicile.

(4) The following facts, although not conclusive, shall have probative value in support of a claim by an independent person for resident classification:
   (a) Acceptance of an offer of full-time employment or transfer to an employer in Kentucky or contiguous area while maintaining domicile in Kentucky;
   (b) Continuous physical presence in a nonstudent status for the (twelve) 12 months immediately preceding the last date for enrollment in an institution;
   (c) Filing of Kentucky resident income tax return for the calendar year preceding the date of application for reclassification of residency status;
   (d) Full-time employment of at least one (1) year while living in Kentucky;
   (e) Attendance as a full-time, nonresident student at an out-of-state institution of higher education while determined to be a resident of Kentucky;
   (f) Abandonment of a former domicile and establishing domicile in Kentucky with attendance at an institution of higher education following and only incidental to such change in domicile;
   (g) Payment of occupational taxes in Kentucky;
   (h) Payment of real property taxes in Kentucky;
   (i) Payment of intangible personal property taxes in Kentucky;
   (j) Ownership of real property in Kentucky, if the property was used by the student as a residence for at least six (6) months preceding the date of application for reclassification of residency status;
   (k) Long-term lease (at least twelve (12) consecutive months) of noncollegiate housing;
   (l) Kentucky automobile registration;
   (m) Kentucky driver's license;
   (n) Continued presence in Kentucky during vacation periods;
   (o) Marriage to a Kentucky resident; and
   (p) Registration as a Kentucky voter.

(5) Documentation. The determination of domicile shall be based upon verifiable circumstances or actions, and a student may be required to submit original or notarized copies of any relevant evidence pertaining to domicile. When reviewing the documentation submitted, institutions may request additional documentation to clarify the person's circumstances and to formulate a classification decision which considers all relevant facts.

(6) Submission of False Documents. A student who gives incorrect or misleading information to institution officials may be subject to criminal prosecution and to such disciplinary sanctions as may be imposed by the institution, which shall include but not necessarily be limited to the payment of nonresident tuition for each academic term attended.

Section 4. Responsibilities.

(1) Institution Responsibilities. Each institution shall designate an administrative office or person with delegated day-to-day responsibility for administration of this classification regulation and for evaluating and deciding student requests for reclassification. Each institution shall also establish a residency review committee (hereafter the committee) to assist and recommend action on student requests for reclassification referred to the committee by said administrative office or person having day-to-day responsibility for this regulation. To evaluate student requests for reclassification, each institution shall establish an operational policy including procedures and desig-

nated responsibilities. The Council on Higher Education Residency Classification Policy shall be published in its entirety in the official bulletin(s) of each institution.

(2) Student Responsibilities. The responsibility for registering under the proper residency classification is that of the student. It is the student's obligation to raise questions concerning residency classification and make application for change of residency classification with the administrative officials of the institution. A student classified as a resident who becomes a nonresident shall be required to notify immediately the proper institutional officials. However, if the student fails to notify institution officials of the change in status, institutional officials may investigate and evaluate the current status of the student regardless of the source of the information. A student classified as a nonresident is considered to retain that status until the student makes written application for reclassification in the form prescribed by subsection (3) of this section and is officially reclassified by the proper administrative officials.

(3) Request for Reclassification. Application for change of residency classification shall be made to the administrative office or person designated by the institution for this purpose. Such application with supporting documentation shall be made by the student not more than forty-five (45) calendar days after the first day of classes of the academic term for which reclassification is sought. A student may apply for reclassification only once during the academic term for which reclassification is requested.

(a) To support full consideration of a request for a change in residency classification, each application shall consist of a complete affidavit which includes the necessary documentation to substantiate facts cited for reclassification. Each applicant is encouraged to submit a formal statement indicating the basis for the claim of resident status. The student shall be responsible for ensuring that all necessary documentation is submitted with the affidavit. Incomplete applications may be returned to the student for completion at the discretion of appropriate institutional officials.

(b) Applications for reclassification shall be reviewed according to institutional policy. When applications for reclassification are referred to the committee, the student shall be notified in writing as to the committee's decision on the application. The committee's written decision on residency shall include findings of fact, and determination of whether the applicant is deemed to be a "dependent person" or "independent person," whether the applicant is a "resident" or "nonresident," and the reason(s) based upon this regulation for said determinations. If an application results in a change of classification from nonresident to resident, such change shall not be made retroactive beyond the academic term in which application for resident classification is made. A student denied resident classification by the committee shall have the right to appeal such decision to the Council on Higher Education.

Section 5. Procedure for Appeal to the Council on Higher Education.

(1) The Executive Director of the Council on Higher Education shall appoint a person to serve as an appeals officer. The appeals officer shall review all residency appeals from the public institutions of higher education to determine if the committee's written decision is supported by substantive evidence and in conformity with this regulation.

(2) After the student receives the decision of the committee, the student has fourteen (14) calendar days in which to appeal that decision to the Council on Higher Education. The student initiates this process by giving written notice to the chair of the committee or the person or office designated by the institution to handle such appeals. Appeals filed more than (fourteen) 14 calendar days after receipt of the decision of the committee shall be dismissed and the decision of the committee shall be final.

(3) The committee or its designated representative shall be responsible for forwarding to the Council on Higher Education a complete copy of the student's file within fourteen (14) calendar days of the receipt of a notice of appeal. The student may review the content of the file before it is forwarded to the Council on Higher Education.

(4) The appeal shall be considered on the written record alone and new or additional evidence shall not be considered.

(5) The appeals officer shall review the written record and the committee's written decision and shall make a recommendation to affirm, modify, or reverse the committee's decision. The appeals officer may order the appeal remanded to the committee for further proceedings before the appeals officer renders a recommendation. Within twenty-one (21) calendar days after receipt of the student's file, the recommendation of the appeals officer shall be forwarded to the Executive Director of the Council on Higher Education or designated representative. The Executive Director of the Council on Higher Education or designated representative shall promptly forward the recommendation of the appeals officer to the institutional representative designated to handle appeals for final disposition by the institution in accordance with established institutional procedures.

(6) The institutional representative shall promptly forward the recommendation of the appeals officer to the student. Each party (the institution and the student) shall have ten (10) calendar days after receipt of the appeals officer's recommendation to file written exceptions to the report with the institutional representative designated to handle final disposition of appeals. The institution shall make final disposition of the appeal and notify the student within thirty (30) calendar days after expiration of the ten (10) day period for filing exceptions.

Section 6. This regulation supersedes all previous policies and regulations of the Council relating to residency classification of students for tuition assessment purposes.

Student Financial Obligations

Any student or former student who is indebted to the University and who fails to make satisfactory settlement within a time limit prescribed is liable for administrative action. Students who are indebted to the University may not register at the University nor will their transcript be released until the debt is paid. Any student indebted to the University who cannot meet his/her financial obligations within the time limit prescribed is responsible for calling on the Director of Billings and Collections and explaining the reasons for failure to pay. Short extensions may be granted for good and sufficient reasons.

Refund Policy

Registration fees paid by students during pre-registration periods will be refundable in full providing the request for refund is filed prior to the beginning of the regular registration period of the term for which the fees have been paid. The housing room reservation/damage deposit will be refunded in full if written cancellation is received by July 15 for the fall semester; December 15 for the

spring semester; or May 15 for the summer term, respectively. The refund periods listed below apply also to students who are enrolled in extended campus classes, and any exception to these refund periods must be addressed to the appeals process as listed below.

Refunds on fees, board plan charges, and room rental charges upon official withdrawal from the University shall be made on the following schedule:

Fall & Spring - 16 weeks	
Prior to regular registration period	100%
During wrap-up registration period (3 days)	90%
1st & 2nd week (starting from 1st day of classes)	75%
3rd & 4th week	50%
5th & 6th week	25%
remaining semester	0%
Summer Term - 8 weeks	
Prior to regular registration period	100%
During wrap-up registration period (1 day)	90%
1st week (starting from 1st day of classes)	75%
2nd week	50%
3rd week	25%
remaining term	0%
Intersession - Proposed - 4 weeks	
Prior to first day of classes	100%
1st three calendar days	75%
2nd three calendar days	50%
3rd three calendar days	25%
remaining intersession	0%

There is no wrap-up registration for intersession.

For the purpose of calculation, weeks are defined in seven-day periods beginning with the first day of classes for the semester or summer term.

The percentage of refunds shall apply only to registration and class fees, board plan charges, and room rentals. In no case shall a refund of rent be made to a person who remains a student but moves from University housing at his or her convenience.

An appeals process exists for students and/or parent(s) of students who feel that individual circumstances warrant exceptions from published policy. Request for an appeal should be addressed to the Vice President for Student Affairs.

Students who move from University housing during the first six weeks of the semester may apply for refund of board plan fees in accordance with the schedule above.

Refunds for reduction in course load for part-time students will be at the same percentage rate as for students who officially withdraw from the University; however, if the reduction in course load results from the cancellation of a class or from the student having been permitted to enroll for a class for which he or she was not eligible, a full refund will be made of the registration fee for the course being dropped.

Living Accommodations

Eastern Kentucky University maintains a number of residence halls. All single, full-time, undergraduate students under 21 years of age, not residing with their parents in the parents' principal residence, within 50 miles of the Richmond campus, are required to live in University residence hall facilities. Full-time students must be 21 years of age prior to the first day of classes of any given semester to live off-campus for that semester. Students failing to meet this requirement will be assessed the lowest price residence hall fee. Graduate students, married students, and single, undergraduate students over 21 years of age must secure special permission from the Director of Housing if they wish to occupy a room in a residence hall. Eastern reserves the right to house or not to house students over the age of 21.

The first step in applying for a room is to be admitted to the University. Second, the housing application/contract must be completed and forwarded with a $100 room reservation/damage deposit to: Billings and Collections, Eastern Kentucky University, Richmond, Kentucky 40475-3101.

The housing deposit is required before a reservation can be made. The student must occupy the assigned space by 5 p.m. on the day prior to the first day of classes or the assigned space will be released and the reservation/damage deposit will be forfeited. Exceptions are made for students who notify the Area/Assistant Area Coordinator of their intention to occupy the assigned space as a late arrival. The student must state the date and time of arrival.

Room rent is paid by the semester and is due and payable at registration.

Family Housing

Brockton provides 256 family housing units which include mobile homes, one- and two-bedroom apartments and efficiencies. Request for family housing reservations in Brockton should be made to the Family Housing Office, Gentry Building. Applications must be accompanied by a $100 security deposit, which is refundable upon termination of the rental period.

Food Service

The University operates several pleasant, air-conditioned dining facilities on the campus. Students have a wide choice of options to meet their dining needs: Martin Cafeteria and Cafe Clay offer "all you can eat" board plans for a minimal cost per meal. In the cafeterias in the Stratton and Powell Buildings, and in the Powell Grill, food may be purchased with cash or the popular "Colonel Card." More than 1,300,000 delicious, nutritious meals are prepared and served annually.

Office of Student Affairs

Through the Office of Student Affairs, the University informs students of the various aspects of campus life. Some of the more specific areas are: (1) orientation of freshmen and transfer of students, (2) physical and mental health of students, (3) coordination of student activities and organizations, (4) housing assignments, (5) maintenance of certain personnel records, (6) counseling center, (7) implementation of the student rights and responsibilities policies, (8) social programs, (9) veterans affairs, (10) student financial assistance, and (11) services for the disabled.

Students may attend a wide variety of leadership programs to aid in becoming responsible citizens of communities, citizens of a democracy, and professional people. Immediate emphasis is directed toward those activities which assist students in attaining maximum personal, social, and academic growth in a stimulating environment.

Student Health Services

The Student Health Services (SHS) offers primary medical care to full-time students of the University. Services are available from 8:00 a.m. to 5:00 p.m., Monday through Friday. Health care includes most laboratory services connected with the care provided. X-rays are obtained at nearby Pattie A. Clay Hospital where customary fees are charged to the patient. Most medical prescriptions are dispensed without charge to the student.

The facility has an observation room with two beds for the evaluation and care of acute medical problems. Students with illness requiring hospitalization will be referred to Pattie A. Clay Hospital or, if possible, to their family physicians for hospitalization in their home community.

All new students must fill out a medical history form at the time of the first SHS visit. This becomes part of the student's health records which are kept confidential at the SHS and are necessary to provide the proper medical care for students seen at the facility.

Counseling Center

The University Counseling Center offers services designed to enhance the emotional development of students so they can achieve maximum benefit from their educational experience.

Psychologists and counselors provide individual counseling to assist students in personal and social development. When appropriate, psychological testing may be used to facilitate student self-understanding and realistic goal setting. Career counseling in groups for academic credit (GCS 199) is available each semester for students who are dissatisfied with or undecided about their career goals. A one-hour course entitled "Interpersonal Effectiveness Seminar" (GCS 198) is offered for the development of self-confidence and effective communication skills. In addition, psychiatric referral is available through the Center.

The counselor-student relationship is considered confidential and is carefully protected.

Students may make an appointment by calling or dropping by the Center or through referral from faculty, advisors, and friends.

Services for the Disabled

The purpose of the Office of Services for the Disabled is to assist students with disabilities as well as to assure program access and support in attaining their educational goals. Located in Turley Building, Room 1, the Office also furnishes mobility route assistance and handicapped parking permits.

Services for students with disabilities are made available in accordance with Section 504 of the Rehabilitation Act and the Americans with Disabilities Act. The Director of the Office is the Section 504 and ADA Coordinator for the University. For more information, please contact the Office of Services for the Disabled.

Speech-Language-Hearing Clinic

The Communication Disorders Program in the Department of Special Education offers services to students, faculty, staff, and to members of the community at the Speech-Language-Hearing Clinic in Wallace Building, Room 278B.

Diagnostic and clinical treatment services provided by the Speech-Language-Hearing Clinic include the following:

1. Screening for speech, language, and hearing problems.
2. Assessment and treatment of articulation disorders, phonological delays, delayed or disordered language, stuttering, voice disorders including laryngectomy, speech and language problems resulting from stroke or head injury, language disorders related to learning disabilities, and speech and language problems of individuals in areas of exceptionality such as mental retardation, cerebral palsy, cleft palate, hearing impairment, and emotional/behavioral disorders.
3. Identification of hearing impairment by pure tone and speech stimuli or special diagnostic testing as needed; remediation of the communication problem through selection and assessment of a hearing aid and/or aural rehabilitation, including auditory training, speech reading, and adjustment to hearing aid use.
4. Speech improvement for those for whom English is a second language and those desiring General American Speech.

Financial Assistance

Financial aid is available to help students offset the cost of their college education. There are five types of financial aid: grants, loans, employment, entitlements, and scholarships. The grants, loans, and federal workstudy programs are need-based. To determine how much money and for which programs the student qualifies, the student needs to complete the Application for Federal Student Aid and an EKU institutional form.

Entitlements include sources such as the Veterans Administration and Vocational Rehabilitation. Scholarships are awarded from the University as well as outside sources. For information regarding entitlements and scholarships, the student should contact the Division of Student Financial Assistance. This office can guide the student to the proper source depending on what type of entitlement or scholarship the student is interested in pursuing.

The Division of Student Financial Assistance deals primarily with the need-based federal programs: grants, loans, and federal employment.

ACADEMIC SCHOLARSHIPS

Academic scholarships at Eastern Kentucky University are awarded based on a student's demonstrated academic achievement and potential. In general, high school rank in class, ACT composite scores, and high school grade point average are the primary factors considered. In addition, letters of recommendation from individuals in positions to evaluate the student's potential and a letter from the applicant are evaluated. Some achievements result in the automatic award of an EKU academic scholarship. These are as follows:

National Merit Finalists receive the Commonwealth Scholar Award and Semifinalist receive the EKU Honor Award.

Governor's Scholars Program participants receive the Regents Scholarship.

Kentucky students with ACT composite scores of 29 or higher and a grade point average of 3.75 receive the Regents Scholarship.

Students who excel in the Science-Math Achievement Program or the History Bowl may qualify for Presidential Scholarships.

Out-of-state students who have an ACT composite score of 29 or higher will receive a scholarship in the amount of in-state, undergraduate registration fee.

COMMONWEALTH SCHOLAR AWARD—The Commonwealth Scholar Award is automatically offered to National Merit Finalists. It provides full in-state tuition, fees, room, board, and books-on-load, for eight academic terms of undergraduate work provided a grade point average of 3.0 is maintained.

EKU HONOR AWARD—The EKU Honor Award is automatically offered to all National Merit Semifinalists and Finalists. The Scholarship provides the recipient with full registration fee and student activity fee, plus a stipend equivalent to one-half of the registration fee and activity fee, for eight academic terms of undergraduate work provided a grade point average of 3.0 is maintained.

REGENTS SCHOLARSHIP—The Regents Scholarship provides full registration fee and activity fee for eight academic terms of undergraduate work, as long as a grade point average of 3.0 is maintained. In addition to the automatic awards noted earlier,

incoming Kentucky freshmen with high school grade point averages of at least 3.75 and ACT composite scores of 25 or higher are eligible for consideration. Students are evaluated by committees within the colleges in which they intend to major. Undeclared students are evaluated within the Office of Academic Support and Undergraduate Studies.

PRESIDENTIAL SCHOLARSHIPS—Rank in class is the primary consideration in the awarding of this scholarship, which provides the equivalent of one-half of the registration fee and student activity fee for up to eight academic terms of undergraduate work. A minimum grade point average of 2.0 is required for retention. Priority in awarding of the Presidential Scholarship is given to the valedictorians and salutatorians of the graduating classes in Kentucky high schools. Junior and community college graduates may also receive Presidential Scholarships.

OTHER SCHOLARSHIP OPPORTUNITIES—A considerable number of other scholarships are available to incoming freshmen and currently enrolled students. These scholarships have been provided through the generous contributions of alumni and friends of the University and are administered through the EKU Foundation. Except as noted, those listed for incoming students are awarded by the University Scholarship Committee. Those listed for currently enrolled students are generally awarded by committees within the appropriate departments and college. Any discipline or geographic restriction is noted. The level of award varies, with an upper limit of about $500 per semester. Recipients will be advised of the specific level of award and conditions for retention.

A standard application form for all EKU Scholarships is included in the University's admissions materials.

GRANTS

Grants are considered gift aid and do not usually have to be repaid.

The ***FEDERAL PELL GRANT*** is the largest grant program. The maximum award is $2,300 for 1993-94. The minimum grant is $400. This grant is for students enrolled for three hours or more.

The ***FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT (SEOG)*** is awarded to students who demonstrate exceptional need and receive a Federal Pell Grant. The average Federal SEOG award at Eastern is usually $400 for the academic year. The student must enroll for three hours or more.

The ***COLLEGE ACCESS PROGRAM*** grant is awarded to eligible Kentucky residents. The amount of this grant is determined by the Kentucky Higher Education Assistance Authority. It varies each year. It is given to students enrolled for a minimum of six hours.

STUDENT LOANS

The ***FEDERAL PERKINS LOAN*** is a 5 percent simple interest loan awarded to exceptionally needy students. This loan is made to undergraduates, as well as seniors with degree and graduate students.

Repayment begins nine months after the student ceases to be enrolled on at least a half time basis. There are certain occupations which allow a student to cancel a percentage of the money they borrow from this program. Contact the Loan Accounts Office in the Jones Building, Room 213, for more information regarding the cancellation and deferment options.

The ***FEDERAL STAFFORD LOAN*** program is also a need-based loan made available to students who are enrolled and are taking at least six hours. The interest rate will vary because it is tied to the current Treasury bill rate plus 3.10 percent. The maximum amount a student can borrow is determined by the student's current grade level and the amount the student is eligible to receive by federal guidelines.

After completing the Application for Federal Student Aid, the student must also complete a separate ***FEDERAL STAFFORD LOAN*** application to take or mail to his/her lending institution. Where you get your loan application depends on what state you are a resident.

There is also an unsubsidized ***FEDERAL STAFFORD LOAN***. This loan has the same interest rate as the subsidized ***FEDERAL STAFFORD LOAN***. The unsubsidized loan is for those students who do not qualify for the subsidized Stafford or perhaps need more loan money than what they receive from the subsidized ***FEDERAL STAFFORD LOAN*** program. The unsubsidized and the subsidized Stafford cannot exceed the maximum Stafford loan amount allowable by a student's classification. For example:

First Year Students — $2,625 is the annual loan limit for unsubsidized and the subsidized Stafford Loan program

Second Year Students — $3,500 is the annual loan limit a student can borrow

Third and Fourth Year Students — up to $5,500 is the annual loan limit

Graduate Students — $8,500 is the annual loan limit

Keep in mind that the unsubsidized Stafford and the subsidized Stafford loans combined cannot exceed the student's cost of education minus all other student financial assistance.

The ***FEDERAL PLUS LOAN*** program is one that enables parents to borrow the cost of education minus other aid for their student who is enrolled for at least six hours. This is not a need-based loan. As long as the parent who is applying for the loan has a good credit history, the loan is usually approved. The interest rate is variable, tied to the 52 week Treasury bill plus 3.10 percent. Interest begins to accrue as soon as the parent borrower receives the loan check. There is a separate PLUS loan application that the student and parent must complete after filing the Application for Federal Student Aid and the EKU institutional application - the Request for Aid. It depends upon what state you are from as to where you get the PLUS application. There is a 5 percent origination fee taken from the loan check and paid to the Department of Education.

The ***FEDERAL SUPPLEMENTAL LOAN FOR STUDENTS (SLS)*** program is for independent students who need additional funds for their education. The Federal SLS is like the PLUS loan in that the student must complete the Application for Student Aid and the EKU form — the Request for Aid as well as a separate SLS application. The interest rate is variable, tied to the 52 week Treasury bill plus 3.10 percent. There is a 5 percent origination fee that is taken from the loan and paid to the Department of Education.

The ***STUDENT AID SOCIETY*** (Emergency Loan) program is designed to provide emergency short-term loans to students. It must be repaid. Students may borrow a small amount of money on a personal note at a legal rate of interest for a one month period. Money is made available through contributions of the University, alumni, private organizations, and many individual friends of the University.

You must be enrolled as a full-time student, have a 2.0 ("C") overall grade point average and a good credit rating. All students are eligible to apply for these short-term loans regardless if they are receiving other forms of financial aid. You would need to complete an application form obtained from the Vice President of Business Affairs, Eastern Kentucky University, in the Jones Building, Room 120. Allow at least two days for processing.

The loan must usually be repaid within four weeks, and you are charged an interest rate of 6 percent or $2 (whichever is greater). Students who have delinquent loans will have their grades sealed by the Registrar and will not be allowed to register for the next semester. Delinquent loans will be collected through a collection agency. Any additional expenses incurred in the collection of the note will be added to the student's repayment.

STUDENT EMPLOYMENT

Eastern offers its students two employment programs. One is the federal work study program which provides part-time jobs to students who have financial need as determined by the Application for Federal Student Aid. This program is federally funded. The other is the EKU institutional work program. EKU provides funds to employ students who want to work on-campus but do not qualify for the federal work study.

Both of these programs employ students on a part-time basis paying federal minimum wage. Students are paid every two weeks for the hours that they have worked. Their job schedule is built around their class schedule. A variety of jobs are available including typing, filing, farm work, food service, resident hall assistants, tutorial work, as well as community service type jobs. An attempt is made to place students in a job that relates to their major course of study, interest, and skills.

ENTITLEMENTS

The ***VETERANS PROGRAM*** at Eastern Kentucky University is approved by the Kentucky Approving Agency for Veterans Education for the education of veterans and their eligible dependents. Students concerned with veterans training should have, at the time of registration, a certificate of eligibility. This is secured from the regional office of the Veterans Administration. The University is responsible for the completion of certain Veterans Administration forms and the other necessary information about students who receive this aid.

If you have completed courses while in the armed forces, ask the Registrar about the possibility of receiving credit for such courses.

VETERANS ADMINISTRATION BENEFITS. War orphans, widows, children, and wives of deceased and disabled veterans should contact the Veterans Administration, 600 Federal Place, Louisville, Kentucky. Application forms are available in the Division of Student Financial Assistance. Veterans wishing to receive advance payments should notify the Division of Student Financial Assistance/Office of Veterans Affairs at least 30 days prior to the beginning date of classes. For information concerning tutorial assistance or refresher courses, contact the Division of Student Financial Assistance/Office of Veterans Affairs at Eastern Kentucky University.

VOCATIONAL REHABILITATION. This program offers assistance for students with physical handicaps of various kinds. Students who wish to consult with a representative relative to vocational rehabilitation should write the Department of Education, Department of Vocational Rehabilitation, Frankfort, Kentucky, for specific instructions. The telephone number is (502) 564-7172 or toll free 1-800-372-7172.

Student Organizations and Activities

In addition to its academic programs, the University provides many services and activities that promote mental/physical health and social/academic well-being. The provision of a meaningful life experience for the student is the goal of the faculty and staff.

Student organizations, societies, and clubs form an intrinsic part of a program that provides academic, social, and religious experiences at Eastern. Student organizations offer varied activities to encompass the interests of all students. The 165+ student organizations fall into the following categories: honor societies, departmental organizations, religious groups, activity and special interest organizations, social sororities and fraternities, and service organizations.

The changing nature of the University precludes a complete listing of all organizations and activities that are available during the year. Students will find this information in the University Handbook for Students, and it is also available at the Office of Student Activities and Organizations, Powell Building, Room 128.

SOCIAL ACTIVITIES

The University Center Board arranges a variety of social activities for the benefit of Eastern's students. Such activities as movies, dances, concerts, and parties are planned for the students' enjoyment. The school calendar lists all approved social activities. The Office of Student Activities and Organizations coordinates the activities on-campus. Students have the opportunity to participate in a variety of leisure time activities.

The Chapel of Meditation

The Chapel of Meditation is non-denominational and is open to students, faculty, staff, alumni, and friends of the University for meditation, prayer, and spiritual reflection. The Chapel is used for weddings, memorial services, and for special services by the various religious organizations and student groups. The University Chaplain's office is located in the basement of the Chapel. The Chaplain is available to perform weddings. The Chaplain coordinates the various activities of the Chapel.

Office of Minority Affairs

The Office of Minority Affairs (OMA) was developed to assist the minority student in having a successful experience at Eastern Kentucky University. OMA provides various services that include cultural and educational programs that stress to students the importance of their heritage. This office also encourages exchange of information across cultural barriers.

Student Identification Card

When a full-time student registers at Eastern, the student is given a combination identification-activity card bearing the student's photograph, student identification number, and signature.

Students must carry their I.D. cards at all times and produce them when requested by members of the University staff. The cards are used when drawing books from the library, cashing checks, and at University activities. Students are liable for disciplinary action for misuse of I.D. cards.

A fee will be charged for replacement if an activity card is lost. The loss of a card must be reported immediately to the Office of Student Activities and Organizations, Powell Building, Room 128.

Athletics and Intramural Programs

The University offers a varied athletic and recreational program for all students. It consists of extensive intercollegiate, intramural, specialized club, and recreational activities.

Eastern Kentucky University is a member of the Ohio Valley Conference and the National Collegiate Athletic Association, Division I.

Athletic teams play schedules representing major regional institutions in addition to regular conference competition and advance to national tournaments when they qualify.

Intercollegiate competition is sponsored for men in baseball, basketball, football, golf, tennis, cross country, and track and field; for women, in basketball, cross-country, softball, tennis, track and field, and volleyball.

The Division of Intramural Programs offers the university community a full range of recreational sports activities including: competitive team sports, dual and individual sports, informal recreation, club sports, special events, outdoor trips, and outdoor equipment rentals. The division conducts programs at three indoor facilities and at the McDonough Intramural Fields.

Entertainment and Cultural Events

Through its fine arts departments and the University Center Board (UCB), Eastern provides a wide variety of entertainment and cultural events. The UCB sponsors lectures, popular entertainers, fine arts performances, and campus movie schedule for the university community; while many events are free of charge to faculty and students, others require only a nominal admission fee.

The Department of Art provides a variety of exhibitions in the Giles Gallery (Jane F. Campbell Building). These include exhibitions by international and regional artists, students, faculty, and thematic exhibitions. Admission is free. Gallery lectures are also frequently provided for the public.

The Department of Music usually produces about 80 faculty, student, and visiting recitals, concerts, and ensemble performances during an academic year. All are open to the public and admission is usually free.

The Department of Speech Communication and Theatre Arts provides at least four performances each academic year including recent Broadway plays, musical theatre, and traditional plays. Occasionally, student directed performances are also presented. Modest admission fees are charged.

Many other cultural activities are offered by the University's annual culture festival and by academic departments and clubs.

Student Publications

The *Milestone* is the University yearbook. Published annually, this publication contains photographs and statistical records of events of the University year. The book is distributed during the last two weeks of the spring semester. The *Milestone* has received numerous national awards in recent years and is ranked annually among the top student publications in the nation.

The *Eastern Progress*, weekly student newspaper, is the official student publication of the University, and all students are encouraged to take advantage of the journalism and advertising training offered by the *Progress*. The *Progress* has consistently been rated as an All American Newspaper by Associated Collegiate Press and a Medalist paper by the Columbia Scholastic Press Association. Since 1987 the paper has won three regional and one national Pacemaker awards, rating it as one of the outstanding college newspapers in the country.

Aurora is a magazine of student writing published by its student staff to encourage interest in literary activity. *Aurora* accepts poems, one-act plays, short stories, prose sketches, and essays from any Eastern student. Cash prizes are awarded for the best works at the time of the spring publication.

Student Automobiles

In order to facilitate parking for all students, faculty, and staff, Eastern Kentucky University requires the registration of motor vehicles utilizing campus parking facilities. Vehicle registration information can be obtained by contacting the Division of Public Safety or is available at the class registration site.

During registration periods, prior to the first day of classes, students registering for classes may park in any legal, non-reserved parking space in all areas, except employee parking (Zone E) which is marked by yellow signs.

After the commencement of classes, residence hall lots (Zone B) which are marked by blue signs, are restricted to residence hall residents 24-hours per day, seven days a week. Enforcement of employee and commuter parking zone regulations begins each school day at 2:00 a.m. After 5:00 p.m. registered commuters may park in employee (Zone E) parking. The Case Lot and a section of the Martin Lot are exceptions to this rule and are reserved for employees only until 9:00 p.m. After 9:00 p.m., parking zone restrictions are not enforced in non-residence hall lots.

Visitors may obtain temporary permits from the Division of Public Safety located in the Brewer Building. Metered parking is also provided around residence halls for loading and unloading.

Libraries and Learning Resources

The John Grant Crabbe Library, which is centrally located on the campus, contains over 850,000 volumes and more than one million items in microformat. The book and materials collection support all curriculum areas and is particularly strong in the social sciences and humanities, business, education, allied health, law and law enforcement, and music. The building houses the Townsend Room (Kentuckiana), the Madison County-EKU Law Library, and the Learning Resources Center (for education majors). Large reading rooms, areas for individualized study, and special facilities for the blind or visually impaired are available. Library services and facilities are also available at EKU's off-campus centers.

In addition to supporting instructional needs, the libraries provide research and recreational reading/informational support to the academic community. For specific information about the many library services available, please visit your library.

The Alumni Association

The Eastern Kentucky University National Alumni Association serves as a vital link between the University and its graduates by maintaining records, communicating, and sponsoring programs and activities designed to enhance this relationship.

All Eastern Kentucky University degree recipients are automatically members of the National Alumni Association. Those graduates who make annual gifts are classified as "active," while other members are carried as "inactive." Associate memberships for non-degreed individuals with an interest in the University are also available.

Alumni activities and programs are normally made available to active members of the Association. Two major activities are planned annually for all members, however. Homecoming, held each fall, and Alumni Day, held the last Saturday in April, brings back the 70-, 60-, 50-, 40-, 30-, 25-, 20- and 10-year classes and annually honors an Outstanding Alumnus and inducts alumni into the Hall of Distinguished Alumni.

Other regular Association activities and programs include maintaining alumni chapters in four states and Washington, D.C.; offering alumni tours at reduced fares; publishing the EKU Today three times per year; arranging receptions or similar activities in conjunction with special University events; and sponsoring the Alumni Scholarship program.

The Association's flexibility also allows occasional offerings of goods and services, such as the Alumni Directory and print sales, which keep alumni involved with the University and each other.

A member of the Council for the Advancement and Support of Education (CASE), the EKU National Alumni Association is governed by 15 active graduates who serve for varying terms on the Alumni Executive Council, the governing body. The Director of Alumni Affairs serves as a permanent member of the Council.

Provisions of the Family Education and Privacy Act of 1974 PUBLIC LAW 93-380

I. This is to serve notice to all students of Eastern Kentucky University of the rights and restrictions regarding the maintenance, inspection, and release of student records contained in the Family Education and Privacy Act of 1974. The University is composed of nine colleges and offers a wide variety of services to students. Each college and service requires the maintenance of some records concerning students enrolled in a particular college or participating in a nonacademic service. The location and type of record maintained by the University depends upon the field of study or service in which the student is enrolled. The following is a list of the types of records maintained by the University for undergraduate students.

A. Undergraduate records:
   1. Grade reports
   2. Transcripts
   3. Curriculum information
   4. Applications for graduation
   5. Correspondence with students, if any
   6. Withdrawal records, if applicable
   7. Admission forms
   8. ACT test scores
   9. Student teacher evaluations, if applicable
   10. Letters of recommendation, if applicable
   11. Nominations for awards, if applicable
   12. Biographical data
   13. Evaluation forms, if applicable
   14. Weekly student teacher logs, if applicable
   15. Mid-term evaluation, if applicable
   16. Records of school visitations, if applicable
   17. Physical education requirement waivers
   18. Field training evaluations and correspondence, if applicable
   19. Professional conduct agreements and liability insurance coverage

B. In addition to the persons identified in paragraph C below, the following persons have access to pertinent student records: the student's advisor, academic deans, or equivalent University officials who have need of information in order to carry out their official responsibility.

C. A list of persons and offices maintaining the above records is maintained in the Office to the President and will be made available to students upon request.

II. Students have the right to inspect any and all records directly related to them except as follows:

A. Students do not have the right to inspect confidential letters of recommendation placed in their files before January 1, 1975. Students may waive their right to inspect such letters furnished the University after January 1, 1975.

B. Students do not have the right to inspect records maintained by the University Division of Public Safety.

C. Students do not have the right to directly inspect medical, psychiatric, or similar records which are used solely in connection with treatment of a student; however, they do have the right to have a doctor or other qualified professional of their choice inspect such records.

D. Students do not have the right to their parents' confidential financial statements.

III. A student or parent, whichever is applicable, shall have the opportunity of a hearing to challenge the contents of any University record on the grounds that such record or records are inaccurate, misleading, or otherwise in violation of the privacy or other rights of the student and an opportunity for correction or deletion of any such record. If the student desires to challenge such a record, the student shall do so by filing a written request in the Office of the University Attorney stating which record is to be challenged and upon what ground. Such challenge of records shall be considered by the University Records Review Committee within a reasonable time not to exceed 30 days following such request. The student or parent will be allowed to present evidence, including witnesses, to the Committee in support of the student's challenge. This right to challenge also extends to former students of the University.

IV. The University shall not release student records to persons, other than authorized University officials, to any individual, agency, or organization, other than the following, without the written consent of the student: to authorized representatives of the Comptroller General of the U.S., the Secretary of HEW, or an administrative head of an educational agency, in connection with an audit or evaluation of federally supported programs.

V. The University shall not furnish in any form any personally identifiable information contained in personal school records to any persons other than those listed in paragraph IV above, unless there is a written consent from the student specifying records to be released, the reasons for such release and to whom, and with a copy of the records to be released to the student if desired, or in the event records are lawfully subpoenaed or otherwise judicially ordered, the University shall notify the student of such subpoena or judicial order in advance of the compliance therewith.

VI. All persons, agencies, or organizations desiring access to the records of a student shall be required to obtain a copy of records through the student. Records will be released to parents of dependent students or by subpoena, with proper documentation.

VII. The University will release directory information to individuals, agencies, or organizations. Directory information includes the student's name, social security number, address, telephone listing, dates of attendance, degrees, and awards. Upon request of the student, the grade point average will be released to off-campus agencies.

VIII. Copies of student records, except transcripts, will be furnished to the student at a cost of $.25 (twenty-five cents) per page.

IX. Parents of dependent students have a right to information concerning their children's grades without having to gain the student's consent.

3 GENERAL ACADEMIC INFORMATION

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Admission to the University

To apply for undergraduate admission to Eastern Kentucky University (Eastern), follow the procedures for your particular admission category below. Submit completed application materials to: Admissions, 203 Jones Building, Eastern Kentucky University, Richmond, KY 40475-3101.

ENTERING FRESHMEN

Although Eastern Kentucky University is a school of opportunity, its programs are intended for students who have mastered the material required by Kentucky's Pre-College Curriculum (PCC). Students who have not completed the PCC or, for out-of-state students, an equivalent curriculum will be required to remediate deficiencies. Some courses used to remediate PCC deficiencies will not count toward graduation.

1. Graduates of Kentucky High Schools

If you have graduated from a Kentucky high school, Eastern will unconditionally admit you if you have completed Kentucky's Pre-College Curriculum. This curriculum requires you to have earned at least four specified units of English (English I, II, III, and IV), three of mathematics (including algebra I or II and geometry), two of social studies (U.S. history and world civilization), and two of science (including biology I or chemistry I or physics I). If you have questions regarding these requirements, consult your high school counselor or the Eastern Admissions Office.

If you have not completed the Pre-College Curriculum, Eastern will admit you; however, you will be required to remediate pre-college curriculum deficiencies before earning 24 credit hours. Courses used to remediate English and mathematics deficiencies will not apply to the credits required for graduation.

If you are in your senior year, you will be admitted tentatively. After graduation, you must submit a final high school transcript, certifying the actual date of graduation.

You must also submit American College Test (A.C.T.) examination scores before registering for classes. These scores will be used, along with Eastern's placement tests, to determine if you will be required to enroll in developmental courses to enable you to be successful in your college courses. Refer to the section "Developmental Requirements" below.

Please note that certain degree programs have special admission requirements. Admission to the University does not mean automatic admission to these programs.

2. Out-of-State Students

To be eligible for admission as an out-of-state freshman, you should either rank in the upper 50 percent of your graduating class or have an A.C.T. composite score in or above the 50th percentile nationally. In addition, you should have completed a high school curriculum equivalent to the Kentucky Pre-College Curriculum. If you have not done so, Eastern will admit you with the same conditions as Kentucky applicants.

Non-resident entering freshmen inadmissible as specified above but who demonstrate through other accepted measures the ability to pursue a college program may be admitted to the summer session. Students so admitted will be required to enroll for at least six hours to include English composition and will be required to earn not less than a 2.0 grade point average (GPA). Students who fulfill these requirements will be permitted to enroll in the fall semester without restriction.

3. General Education Development Test (G.E.D.) Recipients

If you have earned the General Equivalency Diploma, you may be admitted upon submitting an admission application and official G.E.D. examination scores. Copies of the G.E.D. diploma are not acceptable. You must have passed the G.E.D. examination with a minimum score of 45. In addition, you must be at least 17 years old, and your high school class must have graduated by the beginning of the term for which you apply.

TRANSFER STUDENTS

If you wish to be admitted as a transfer student, you must submit an admission application and an official transcript from each regionally accredited institution you have attended. Eastern does not accept credits from institutions that are not regionally accredited.

Transfer students must submit *official* transcripts of work from all institutions attended even if no credit was awarded. An official transcript is defined as having the official seal of the university and the signature of the registrar. The transcript must be sent from the student's institution to Eastern Kentucky University's Division of Admissions. Hand-carried transcripts *will not* be accepted.

You will be granted unconditional admission if you have at least a 2.0 grade point average (GPA) (on a 4.0 scale) on all work from accredited institutions and if you are eligible to return to those institutions.

If you have less than a 2.0 GPA (on a 4.0 scale), you may be considered for admission by exception. Contact the Eastern Admissions Office for procedures.

If you are admitted as a transfer student, your cumulative GPA

will include hours attempted and quality points earned from all regionally accredited institutions. The Office of Academic Support and Undergraduate Studies and the academic department of your major will determine the applicability of your courses to your academic program.

The University considers lower division credits transferred to Eastern as lower division, even if Eastern offers a comparable course at the upper division.

READMISSIONS

If you previously attended Eastern, are eligible to re-enroll, and have not attended another institution since leaving, you will be readmitted upon submitting an application for readmission. If you are not eligible to re-enroll, you may request to be considered for readmission by exception. If you left Eastern on social probation or suspension, you must be approved by the Office of Student Affairs before being readmitted.

If you have attended another institution since leaving Eastern, you will be considered for admission under the guidelines for transfer students above.

INTERNATIONAL STUDENTS

If you apply to Eastern for admission as an international student under the visa classification system of the Immigration and Naturalization Service, you must complete an application file 30 days prior to the beginning of the term for which you wish to enroll. This file consists of the following: 1) application for admission; 2) T.O.E.F.L. (Test of English as a Foreign Language) score of at least 500; 3) secondary school records or college or university transcript(s), as applicable; 4) Declaration and Certification of Finances, showing financial support to attend Eastern. If you are from Nigeria, Iran, Ghana, and Guyana, you must submit an advance deposit of $6,000 before Eastern can issue a Form I-20.

SPECIAL ADMISSIONS

1. High School Seniors

Students who have one unit less than the number required for high school graduation with superior grades (i.e., 3.0+ grade point average) may be admitted upon the recommendation of the high school principal.

2. Transient Students

If you are a student at another institution and wish to enroll at Eastern as a transient, or "visiting," student, you may be admitted by submitting an official transcript or a statement indicating that you are eligible to return to your institution.

3. Veterans

All honorably discharged veterans are admissible if they meet the equivalency (G.E.D.) requirement or are graduates of accredited high schools. Veterans who have attended other accredited post-secondary institutions are admissible under the same requirements as all other transferring students.

Veterans are further encouraged to submit a legible copy of their Form DD-214 (discharge verification) in order to receive college credit for military science. This is not a requirement for admission.

4. Admission Without Regard to a Degree

If you are over 21 years of age and wish to take courses as a non-degree student, you may be admitted if you are adequately prepared for the courses desired.

5. O'Donnell Scholarship Recipients

If you are at least 65 years of age, you may be admitted to Eastern with a waiver of tuition. You need submit only an application for admission.

6. Special Consideration

If you do not meet the conditions for admission noted above, you may request special consideration for admission. If, upon review, your request is approved, you may be admitted, but there may be certain restrictions and conditions on your enrollment.

Academic Programs

Eastern offers the following programs which are registered with the Kentucky Council on Higher Education. Many of these programs include approved options, designed to provide a background tailored for students' individual needs. At the undergraduate level, these options are presented with the program descriptions in this *Catalog*. Options at the graduate level are found in the *Graduate Catalog*. Eastern cooperates with the University of Kentucky in offering joint doctoral programs.

MAJORS	DEGREES
Accounting	BBA
Administrative Communication and Services	BBA
Agriculture	AS, BS
Aircraft Professional Pilot	BS
Anthropology	BA
Art	BA, BFA
Art (Teaching)	BA
Assets Protection	BS
Assets Protection Management	AA
Biology	BS, MS
Broadcasting and Electronic Media	BA
Business Administration	MBA
Business Education	BS
Chemistry	BA, BS, MS
Child Care	AS
Child and Family Studies	BS
Clinical Laboratory Technology/Science	AS, BS
Clinical Psychology	MS
Clothing Construction and Design	BS
Communication Disorders	BS, MA in Ed
Community Counseling	MA
Community Nutrition	MS
Computer Aided Drafting	AS
Computer Electronics Technology	AS
Computer Information Systems	BBA
Computer Science	BS
Computer Science and Mathematics (Teaching)	BS
Construction Technology	BS
Corrections and Juvenile Services	AA, BS
Criminal Justice	MS
Dietetics, General	BS
Early Elementary Education	BS, MA in Ed
Earth Science (Teaching)	BS
Economics	BA, BBA
Educational Administration and Supervision	EdS
Emergency Medical Care	AS
English	BA, MA
Environmental Health Science	BS
Environmental Resources	BS
Fashion Merchandising	BS
Finance	BBA
Fire and Safety Engineering Technology	AA, BS
Fisheries Management	BS
Foodservice Administration	BS
Forensic Science	BS
French	BA
General Business	BBA
Geography	BA
Geology	BA, BS, MS

German ..... BA
Health Care Administration ..... BBA
Health Education ..... BS
Health Information Technology/Management ..... AS, BS
Hearing Impaired ..... BS
History ..... BA, MA
Home Economics Education ..... BS
Home Economics, General ..... BS
Horticulture ..... BS
Individualized Studies ..... BIS
Industrial Education ..... MS
Insurance ..... BBA
Interior Design ..... BA
Interior Design Assistant ..... AA
Interpreting for Deaf Individuals ..... AA
Joint Doctoral in Biology, General* ..... PhD
Joint Doctoral in Educational Policy Studies and Evaluation* ..... EdD
Joint Doctoral in Educational Psychology* ..... EdD
Joint Doctoral in Health, Physical Education, and Recreation* ..... EdD
Joint Doctoral in Instruction and Supervision* ..... EdD
Joint Doctoral in Special Education* ..... EdD
Joint Doctoral in Vocational Education* ..... EdD
Journalism ..... BA
Library Science ..... MA in Ed
Loss Prevention and Safety ..... MS
Management ..... BBA
Manufacturing Technology ..... BS, MS
Marketing ..... BBA
Mathematical Sciences ..... MS
Mathematics ..... BS
Mathematics-Physical Science (Teaching) ..... BS
Medical Assisting Technology ..... AS
Microbiology ..... BS
Middle Grade Education ..... BS, MA in Ed
Military Service ..... Commission
Music ..... BA, BM, MM
Music (Teaching) ..... BME, MME
Nursing ..... ASN, BSN
Nutrition Care Management ..... AS
Occupational Therapy ..... BS, MS
Office Systems/Technologies ..... AA
Ornamental Horticulture, Technical ..... AS
Paralegal Studies/Science ..... AA, BA
Performing Arts ..... BFA
Philosophy ..... BA
Physical Education ..... BS, MS, EdS
Physics ..... BS, MS
Police Administration ..... AA, BS
Political Science ..... BA, MA
Pre-Dental Hygiene ..... (Transfer Program)
Pre-Engineering ..... (Transfer Program)
Pre-Forestry ..... (Transfer Program)
Pre-Medical Sciences ..... (Transfer Program)
Pre-Optometry ..... (Transfer Program)
Pre-Pharmacy ..... (Transfer Program)
Pre-Physical Therapy ..... (Transfer Program)
Pre-Veterinary Medicine ..... (Transfer Program)
Psychology ..... BS
Public Administration ..... MPA
Public Relations ..... BA
Quality Assurance Technology ..... AS
Real Estate ..... BBA
Recreation and Park Administration ..... BS, MS
Recreation and Park Leadership ..... AS

*Degrees awarded by University of Kentucky

Religion ..... BA
School Counseling ..... MA in Ed
School Psychology ..... PsyS
Science (Teaching) ..... BS
Secondary Education (20 Discipline Options) ..... MA in Ed
Social Work ..... BSW
Sociology ..... BA
Spanish ..... BA
Special Education ..... BS, MA in Ed, EdS
Speech Communication ..... BA
Speech and Theatre Arts ..... BA
Statistics ..... BS
Student Personnel Services in Higher Education ..... MA, EdS
Technology Education ..... BS
Theatre Arts ..... BA
Transportation and Physical Distribution Management ..... BBA
Vocational-Industrial and Technical Education ..... AS, BS
Wildlife Management ..... BS

MINORS

Eastern offers minors in a number of fields. Certain minors are restricted as teaching or nonteaching. Consult the index for the location of requirements for individual minors. The following minors are offered, some offering options or areas of specialization.

Advertising
Aerospace Studies
Agriculture
Anthropology
Architectural Drafting Technology
Art
Assets Protection Management
Aviation Administration
Aviation Flight
Biology
Broadcast News
Broadcasting
Chemistry
Child and Family Studies
Clothing
Community Health Education (Non-Teaching)
Computer Electronics Technology
Computer Information Systems
Computer Science
Construction Technology
Corrections and Juvenile Services
Dance
Earth Science (Teaching)
Economics
Emergency Medical Care
English
Environmental Health Science
Fashion Merchandising
Fire and Safety Engineering Technology
Foodservice Administration
French
General Business
Geography
Geology
German
History
Home Economics, General
Humanities
Interior Design
Journalism
Managerial Communication
Manufacturing Technology
Mathematical Sciences

Mathematics
Military Science
Music
Natural Resource Analysis
Nutrition
Office Administration
Philosophy
Physical Education
Physics
Planning
Police Administration
Political Science
Printing Technology
Psychology
Public Relations
Quality Assurance Technology
Recreation and Park Administration
Religion
School Health K-12 (Teaching)
Social Justice
Social Welfare
Sociology
Soils
Spanish
Special Education
Speech Communication
Statistics
Textiles
Theatre Arts
Traffic Safety
Travel and Tourism
Visual Media

ENDORSEMENTS AND CERTIFICATES

The following special endorsements and certificates are offered.

1. Undergraduate

Adult Corrections Certificate
Advanced Emergency Medical Care Certificate
Driver Education Endorsement
English as a Second Language (Teaching) Endorsement
Fire and Safety Engineering Technology Certificate
Health Information Coding Certificate
Health Information Management,
  Post-baccalaureate Certificate
Medical Administrative Certificate
Physical Education
  Athletic Training Certification
  Coaching Endorsement
  Elementary Physical Education Endorsement
Special Education: Interpreting for Deaf Children
  and Youth Certificate

2. Graduate

Director of Special Education
Drivers Education
Early Elementary School Principal
English as a Second Language (Teaching)
Middle Grade School Principal
Occupational Therapy, Post-baccalaureate
Psychological Services for the Hearing Impaired
Pupil Personnel Services
Reading Specialist (Elementary or Secondary)
School Business Administration
School Counseling
School Psychology
School Superintendent
Secondary School Principal
Supervisor of Instruction
Vocational Administration

PREPROFESSIONAL CURRICULA

1. Pre-Law Curriculum

Students interested in going to law school or exploring the possibility of going to law school should make an appointment with the University Pre-law Advisor as early in their academic career as possible. The Pre-law Advisor is located in the Department of Government. The Pre-law Advisor can guide the student in selecting courses consistent with the American Bar Association recommendations noted below, plus provide valuable information on law schools, the Law School Admission Test, and typical admission procedures.

Prospective law students should keep in mind that a broadly based liberal education will best equip one to study law. Thus, no fixed pre-law curriculum is prescribed. A special committee of the American Bar Association recommends that pre-law students take courses in written and speech communications, accounting, economics, psychology, and historical and contemporary social and political processes.

Regardless of one's chosen major, the following abilities are absolutely essential in the study of law: to read critically, to think logically, and to write and speak effectively.

Admission to an accredited law school is dependent upon a good undergraduate record with an earned baccalaureate degree and a competitive score on the Law School Admission Test.

2. "Three-Two" Curricula

In addition to standard pre-professional curricula, Eastern may approve specially arranged combined curricula. Students approved for these curricula complete the first three years of requirements at Eastern. At the end of these three years, they enroll in one of several highly rated professional schools. After the first year of professional study, they transfer the work back in order to secure a Bachelor of Arts or a Bachelor of Science degree from Eastern. This plan may shorten by one year the time needed for obtaining both a baccalaureate and a professional degree.

3. Other Preprofessional Curricula

Descriptions of the following preprofessional curricula may be found on the pages noted:

Pre-Dental Hygiene 45
Pre-Engineering 154
Pre-Forestry 155
Pre-Medical Sciences (Pre-Dentistry) 155
Pre-Optometry 155
Pre-Pharmacy 155
Pre-Physical Therapy 45
Pre-Veterinary 62

UNDECLARED STUDENTS

If you are not ready to declare a major, Eastern will enroll you as an undeclared student. You should declare a major as soon as you decide what you want to major in. Until you do declare, your curriculum will include general education courses appropriate for any four-year program. In addition, you will be encouraged to take exploratory electives that will allow you to sample disciplines that you might like to select as a major.

CHANGE OF MAJOR

Undergraduate students who wish to change their major should report to Keith 129. When you change your major, you will be assigned a new advisor for the new major.

Baccalaureate Degree Requirements

COMPREHENSIVE REQUIREMENTS

To qualify for a baccalaureate degree, students must satisfy the following requirements:

1. Complete all requirements in the degree program as established by appropriate University committees.
2. Complete University academic requirements, including basic skills proficiencies in English, reading, and mathematics; restricted electives; and general education; as established by appropriate University committees for each degree program.
3. Complete a minimum of 128 semester credit hours, with at least 43 hours at the 300 level or above.
4. Complete eight semester hours of Restricted Elective Requirements selected from MIL 101, 102, 202, and 203 OR electives from at least two departments outside the department of the major. These Restricted Electives may not be used to meet general education or other program requirements, nor may they be taken "Pass-Fail."
5. Satisfy the University Writing Requirement.
6. Earn a minimum grade point average (GPA) of 2.0 on all work taken at Eastern. In addition, transfer students must earn a minimum GPA of 2.0 on the combined transfer work and Eastern work.
7. Earn a minimum of 32 semester hours through Eastern.*
8. Earn at least 30 of the last 36 hours through Eastern, exclusive of student teaching (ELE 499, EMG 499, ESE 499, and SED 499).*
9. Earn the credits applicable to the degree within eight years prior to the date the degree is awarded. Credits more than eight years old may be validated by the college dean.

*Degree programs offered by the College of Business have more stringent residency requirements. Please refer to "Residency Requirements" in the College of Business' section of this *Catalog*.

GENERAL EDUCATION REQUIREMENTS

General education requirements include 46 hours of course work designed to help each student develop as an educated person and as a citizen. For certain curricula, individual requirements are waived if they are satisfied in the major program. Refer to the program plans in Part IV of this *Catalog*.

The General Education Program consists of course work in five broad areas: symbolics of information; humanities; social science; natural science; and physical education and health. These areas are subdivided into the 19 categories listed below. Students must earn the specified number of hours in the 15 "required" categories. In addition they must earn three hours in each of two of the four "optional" categories (categories 04, 08, 12, 16).

NOTES: The courses listed below award three hours of credit, unless a number appears in parentheses following the course name. This number represents the hours awarded for such courses. Course numbers followed by an asterisk (*) have prerequisites or other restrictions on enrollment. Refer to course descriptions in Part IV of this *Catalog* for specific restrictions.

I. Symbolics of Information.

01 Symbolics. English Composition. Three hours required.

ENG 101* English Composition I
ENG 105* English Composition Honors (3 or 6)

NOTE: Students earning "A" or "B" in ENG 105 will earn six hours of credit, three of which will be applied to category 02. Those earning "C" or "D" will earn three hours credit and will then take ENG 102.

02 Symbolics. English Composition. Three hours required.

ENG 102* English Composition II
HON 102* Honors Rhetoric (6; for categories 01 and 02)

03 Symbolics of Information. Three hours required.

ACS 201* Business Communication
CIS 212 Introduction to Computer Information Systems
CSC 104 Computer Literacy with Software Applications
CSC 171 Introduction to Computer Programming BASIC (1)
CSC 172* Advanced BASIC (2)
CSC 174 Introduction to Computer Programming FORTRAN
CSC 180 Introduction to Computer Programming Pascal
FLS 300* Elements of Foreign Language
FRE 101 Elementary French I
FRE 102* Elementary French II
FRE 201* Elementary French III
FRE 204 Review of French Grammar
FRE 211* French Reading I
FRE 340* Intermediate French Phonetics
FRE 360* Intermediate Grammar and Composition
GER 101 Elementary German I
GER 102* Elementary German II
GER 201* Intermediate German I
GER 202* Intermediate German II
GER 240* Beginning Conversation
GER 340* Intermediate Conversation
GER 360* Intermediate Grammar and Composition
GRE 101 Elementary Greek I
GRE 102* Elementary Greek II
GSL 112* College Reading/Study Skills
or
GSL 115 Learning Dynamics (1)
GSL 116 Efficient Reading (1)
GSL 201 Vocabulary Development (2)
GSL 205 Topics in Reading (1-3)

NOTE: Students may count a maximum of three semester hours of GSL course work toward general education.

ITA 101 Elementary Italian I
ITA 102* Elementary Italian II
JPN 101 Elementary Japanese I
JPN 102 Elementary Japanese II
LAT 101 Elementary Latin I
LAT 102* Elementary Latin II
MAT 106 Applied Finite Mathematics
MAT 107* College Algebra
MAT 109* Precalculus Mathematics (5)

NOTE: Only three semester hours of MAT 109 may count for general education.

MAT 121* Calculus and Analytic Geometry I
MAT 122* Calculus and Analytic Geometry II
MAT 124* Differential and Integral Calculus (4)
MAT 211* Calculus with Applications for Business and Economics
MAT 261* Calculus with Applications for Science I
PHI 100 Practical Reasoning
POR 501* Accelerated Elementary Portuguese I
POR 502* Accelerated Elementary Portuguese II
RUS 101 Elementary Russian I
RUS 102* Elementary Russian II
RUS 201* Intermediate Russian I

RUS 202* Intermediate Russian II
SED 101 American Sign Language I
SED 102* American Sign Language II
SED 201* American Sign Language III
SED 202* American Sign Language IV
SPA 101 Elementary Spanish I
SPA 102* Elementary Spanish II
SPA 201* Intermediate Spanish I
SPA 202* Intermediate Spanish II
SPA 206* Beginning Conversation
SPA 340* Intermediate Spanish Conversation
SPA 360* Intermediate Grammar and Composition
SPE 100 Introduction to Human Communication
SPE 200 Interpersonal Communication
SPE 205 Argumentation
SPE 210 Public Speaking
STA 208* Descriptive Statistics (1)
STA 215* Elementary Probability and Statistics
STA 270* Applied Statistics I

NOTE: Students may count a maximum of three semester hours of STA course work towards general education.

04 Symbolics of Information. Three hours optional.
Select an additional three semester hours from category 03 or HON 304, Special Topics.

II. Humanities.

05 Chronological Humanities. Three hours required.
ENG 211* Survey of World Literature I
HON 205* Honors Humanities I
HUM 226* The Search for Meaning: The Ancient World

06 Chronological Humanities. Three hours required.
ENG 212* Survey of World Literature II
HON 206* Honors Humanities II
HUM 228* The Search for Meaning: The Modern World

07 Creativity Humanities. Three hours required.
ART 200 Art Appreciation: Orientation
ART 390 Survey of Art History I
ART 391 Survey of Art History II
FCC 220 French Culture and Civilization
FCC 222 German Culture and Civilization
FCC 224 Russian Culture and Civilization
FCC 227 Japanese Culture and Civilization
HUM 124* Humanities and the Search for Meaning
MUS 171 Enjoyment of Music
MUS 272 Music Literature
MUS 371* Music History I
MUS 372* Music History II
PHE 200 Heritage of Dance
PHI 110 Beginning Philosophy
PHI 130 Beginning Ethics
PHI 240 Philosophy of Religion
PHI 300 Greek and Roman Philosophy
PHI 320 Modern Philosophy
REL 301 World Religions
THE 100 Forms and Philosophy of Theatre
THE 390 Theatre History I
THE 391 Theatre History II

08 Humanities. Three hours optional.
Select an additional three semester hours from category 07 or from the following courses:
CAH 315 Topics in Humanities General Education
COM 350 Cinema History I
COM 351 Cinema History II
HON 308 Special Topics
HUM 300* The Individual in Contemporary Society
HUM 310* The Creative Imagination in Humanities and Science
MUS 273 Survey of American Popular Music
PHI 340 Philosophy of Science
PHI 360 Human Nature
PHI 385 Environmental Ethics

III. Social Science.

09 Social Science Principles. Three hours required.
ANT 120 Introduction to Cultural Anthropology
ECO 120* Economics in A World Setting-Principles
ECO 230 Principles of Economics I
GEO 101 Introduction to Geography
GSS 142 Introduction to Social Science
POL 100 Principles of Politics and Government
SOC 131 Introductory Sociology

10 Historical Social Science. Three hours required.
ANT 210 Non-Industrial Societies Around the World
GEO 201 Historical Geography I: Pre-Industrial Era
GSS 246* Preindustrial World Civilizations
HIS 202 American Civilization to 1877
HIS 231* Western Civilization I
HON 210* Honors Civilization I
POL 210 Political Development: Traditional and Transitional Societies

11 Historical Social Science. Three hours required.
ANT 211 Industrial Societies Around the World
GEO 202 Historical Geography II: Modern World
GSS 247* Industrialism in World Civilizations
HIS 203 American Civilization Since 1877
HIS 232* Western Civilization II
HON 211* Honors Civilization II
POL 211 Political Development: Modern Societies

12 Social Science: Contemporary Problems. Three hours optional.
ANT 325 Problems in Contemporary Cultures
ECO 130* Contemporary Economic Problems
ECO 231 Principles of Economics II
GEO 302 Conservation and Environmental Problems
GEO 321 Urban Geography
GEO 322 Political Geography
GEO 345 Regions and Nations of the World
GSS 300 Global Challenge and Response
HON 312* Special Topics
POL 101 Introduction to American Government
POL 220 Problems of International Politics
POL 300 Contemporary Political Problems
PSY 300* Social Psychology
SOC 235 Social Problems
SOC 237 Population and Society

IV. Natural Science.

13 Biological Laboratory Science. Three hours required.
The listed courses are recommended, but students may take any three-hour biological laboratory science offered by the College of Natural and Mathematical Sciences.
BIO 100* Introductory Biology
BIO 131 General Botany (4)
BIO 141 General Zoology (4)
BIO 171 Human Anatomy

BIO 301 Human Physiology
and
BIO 378* Human Physiology Laboratory (1)
NAT 101* Biology: The Science of Life

14 Physical Laboratory Science. Three hours required.
The listed courses are recommended, but students may take any three-hour physical laboratory science offered by the College of Natural and Mathematical Sciences.

AST 135* Introductory Astronomy
CHE 101* General Chemistry I (4)
CHE 105* Chemistry for the Health Sciences I (4)
CHE 111* Introductory Chemistry I (4)
GEO 210 Introduction to Physical Geography

NOTE: Students may use only one course from GEO 210 and 215 to meet general education requirements.

GLY 108* Principles of Geology
GLY 109 Principles of Historical Geology
NAT 171* The Physical Universe
NAT 172* The Physical Environment
PHY 101* Physical Science (Physics)
PHY 131 College Physics I (5)
PHY 201* University Physics I (5)

15 Natural Science. Three hours required.
The courses listed below and those listed for categories 13 and 14 are recommended, but students may take any natural science course offered by the College of Natural and Mathematical Sciences. See your advisor.

ANT 201 Introduction to Physical Anthropology
or
ANT 206 Human Evolution
or
ANT 380* Forensic Anthropology
AST 130* Introductory Astronomy
AST 330 Theories of Modern Astronomy
BIO 300 Economic Plants
BIO 301 Human Physiology
BIO 302* Human Heredity
BIO 303* Human Heredity and Society
BIO 304 Birds of Kentucky
BIO 317 Conservation of Wildlife Resources
BIO 399* Trends in The Biological Sciences
CHE 300 Molecules and Modern Society
CNM 315 Topics in Natural Science General Education
GEO 215 Introduction to Meteorology

NOTE: Students may use only one course from GEO 210 and 215 to meet general education requirements.

GLY 107* Principles of Geology
GLY 302 Earth Science
GLY 304 Introduction to Oceanography
GLY 390 Environmental Geology
HON 315* Honors Science Seminar
NAT 173* The Physical Environment
NAT 300 Science as a Human Endeavor
NAT 310 Topics in the Natural Sciences (1-3)
NAT 363 Ecology and Human Affairs
NAT 380 Science and Society
SCI 310 History of Science

16 Natural Science. Three hours optional.
Select an additional natural science course from category 13, 14, or 15, or any other natural science offered by the College of Natural and Mathematical Sciences, or the following course: HON 316, Special Topics.

V. Physical Education and Health.

17 Physical Education I. One hour required.
HPR 180 Fitness and Wellness (1)

18 Physical Education II. One hour required.
HPR 282 Exercise, Movement, and Sports Skills (1)

19 Health. Two hours required.
HEA 281 Personal and Community Health (2)

LOWER DIVISION REQUIREMENTS

Student should try to complete nearly 50 percent of the General Education program during their first 60 hours, including HPR 180 and 282. They must enroll in English composition each semester until they satisfy the six-hour requirement. They should complete Academic Orientation during the first semester.

Associate Degree Requirement

COMPREHENSIVE REQUIREMENTS

To qualify for an associate degree, students must satisfy the following requirements:

1. Complete all requirements in the degree program as established by appropriate University committees.
2. Complete University academic requirements, including basic skills proficiencies in English, reading, and mathematics; restricted electives; and general education; as established by appropriate University committees for each degree program.
3. Complete a minimum of 64 semester credit hours.
4. Complete four semester hours of Restricted Electives selected from MIL 101, 102, 202, and 203 OR electives from at least two departments outside the department of the major. These Restricted Electives may not be used to meet general education or other program requirements, nor may they be taken "Pass-Fail."
5. Earn a minimum grade point average (GPA) of 2.0 on all work taken at Eastern. In addition transfer students must earn a minimum GPA of 2.0 on the combined transfer work and Eastern work.
6. Earn a minimum of 16 semester hours through Eastern.
7. Earn a minimum of 15 of the last 18 hours through Eastern.
8. Earn the credits applicable to the degree within eight years prior to the date the degree is awarded. Credits more than eight years old may be validated by the college dean.

GENERAL EDUCATION REQUIREMENTS

Students in associate degree programs must earn a minimum of 16 hours in courses approved for general education. These hours must include ENG 101 and ENG 102 or their equivalent. The ten additional hours must include approved courses in categories 05-08 (humanities); categories 09-12 (social science); and categories 13-16 (natural science) or an approved MAT course from category 03. ***Courses meeting general education requirements have been identified by an asterisk(*) in the curriculum listings in Part IV.***

Academic Regulations

Students must become familiar with all regulations and procedures required in their program. In no case should they expect waiver or exception to published program requirements because they were unaware of the regulation or because an advisor or other authority did not directly present the information. All stu-

dents should become familiar with the general academic information section of the *Catalog* and the specific college and departmental program requirements.

DEVELOPMENTAL REQUIREMENTS

All students at Eastern must demonstrate proficiency in the basic skills of reading, writing, and mathematics. The University measures these basic proficiencies by the student's performance on the ACT test and on Eastern placement tests. In the case of transfer students, the University also considers performance at the previous institution. Students who need additional help in these basic skill areas are required to pass some or all of the developmental courses listed below before confronting a rigorous academic program:

ENG	090	Basic Writing (3 hours)
ENG	095	Developmental Composition (3)
GSL	090	Developmental Reading I (3)
GSL	095	Developmental Reading II (3)
MAT	090	Prealgebra (3)
MAT	093	Basic Descriptive Geometry (1)
MAT	095	Algebra I (3)

See Part IV of this *Catalog* for descriptions of these courses.

Credits earned in developmental courses do not apply toward graduation ("institutional credit only"), but they do count toward the student's enrollment status for such purposes as financial aid eligibility and full-time student status.

Full-time students must complete each required course in the Developmental Studies Program within two terms of enrollment. Students who do not complete required developmental courses within the allotted time will be dismissed from the University and will be ineligible to reenroll until the deficiency is remediated.

Part-time students must enroll in required developmental courses before attempting course work which carries academic credit.

All students must complete all required developmental courses by the end of the term in which they attempt their 45th credit hour, including developmental hours. Students failing to complete required developmental courses within the prescribed limits will not be allowed to reenroll at Eastern until the developmental deficiencies are remediated.

UNIVERSITY WRITING REQUIREMENT

To ensure that graduates of Eastern possess important communication skills, the faculty and Board of Regents have approved a University Writing Requirement (UWR). All students seeking baccalaureate degrees from Eastern, including transfer students, must successfully complete an essay exam in English.

Baccalaureate degree students must take the exam in the first semester of enrollment after completing the 60th credit hour. Transfer students who transfer 60 credit hours or more must take the exam in the first semester of enrollment.

Students who fail the first attempt may retake the exam under the following conditions:

A. prior to the next enrollment, they must file with their advisors a remediation plan;
B. they may not enroll for more than 12 hours in any fall or spring semester until the exam requirement is satisfied; and
C. they may not enroll beyond 100 hours until the exam requirement is satisfied.

Students failing to register for and write the UWR in the semester after they complete 60 credit hours will be subject to the enrollment limitations noted above in B. and C.

CATALOG

For general education requirements, students will be governed by the *Catalog* in use at the time they enter the University. For major program requirements, full-time students use the *Catalog* in force when they declare a major; part-time students by the one in force when they sign a planned curriculum. However, students may choose to use the current *Catalog*. If a student's enrollment is interrupted for more than one year, the student uses the *Catalog* in force when the student re-enrolls.

The above refers only to curricular requirements. With respect to policy requirements, all students are governed by current University policies that have been approved by appropriate University committees.

CLASSIFICATION OF STUDENTS

A student's classification is determined by the number of semester hours earned, as follows:

Freshman	—	0 - 29 semester hours earned
Sophomore	—	30 - 59 semester hours earned
Junior	—	60 - 89 semester hours earned
Senior	—	90 or more semester hours earned

GOOD ACADEMIC STANDING

A student is considered to be in good academic standing at Eastern when that student maintains a grade point average that permits the student to re-enroll in the institution on a full-time basis and in the duly designated academic program.

SATISFACTORY PROGRESS

Degree seeking students shall be considered to be making satisfactory progress so long as they remain in good academic standing and enroll in courses required by or allowed for in their academic program.

STUDENT LOAD

A full-time student is one who enrolls for from 12 to 18 credit hours during a fall or spring term. Students carrying fewer than 12 credit hours are considered part-time. A student who has established superior records may be permitted to enroll for more than 18 hours by the dean of the college of the student's first major. The absolute maximum load is 21 credit hours.

Six to nine semester hours are considered a normal load for a summer session. Fewer than six are a part-time load, and more than ten are not permitted. The student's academic dean must approve a ten-semester-hour load.

Three semester hours constitute the load for the spring intersession, with a four-hour maximum permitted with approval.

The above limitations apply to all enrollments or combinations of enrollments for the term specified, including campus classes, extended campus classes, correspondence study (refer to the *Correspondence Course Bulletin*), and enrollments at other institutions. The Registrar will not record credits beyond these maximums.

DOUBLE MAJOR

A student pursuing an associate or baccalaureate degree may consider a double major. If the student completes both majors, they will be recorded on student's official transcript. Students interested in a double major should contact the Dean for Academic Support and Undergraduate Studies for additional information.

CLASS ATTENDANCE

The University expects all students to attend class regularly. Students are responsible for course work covered during all class

periods, including the first class meeting. Each instructor will record absences and deal with them in a manner consistent with departmental policy for that course. Since attendance policies vary among departments and for courses within departments, students must be familiar with the policy announced by each instructor.

If a student presents the instructor with an adequate and documented reason for an absence, the instructor normally will give the student an opportunity to make up the work missed, if this is feasible. Adequate reasons involve circumstances beyond the student's control, such as personal illness, critical illness or death in the immediate family, or participation in an approved University activity. It is the student's responsibility to initiate the request to make up class work missed.

RESCHEDULING OF FINAL EXAMINATION

If a student is scheduled for more than three final examinations on the same day, the student may request, through the college dean, that the fourth examination be rescheduled.

SCHEDULE CHANGES

If students wish to add courses to their schedule, they must do so by the date published in the *Schedule of Classes Bulletin* for that term.

With the advisor's approval, students may officially drop a full semester course only through the eighth week of classes during a regular semester. They may drop an intersession, summer session, or nonstandard course through its midpoint. Refer to Part II of this *Catalog* for the University's Refund Policy. Refer to the current *Schedule of Classes Bulletin* for deadlines and schedule change fee information.

If a student drops a course during the first week of a regular semester, that course will not appear on the student's grade report or transcript. Courses dropped from the beginning of the second week through their midpoint (eighth week of a full semester) will be assigned a grade of "W," which will appear on the student's grade report and transcript. Students who stop attending after the midpoint of the course will be subject to assignment of the grade of "F."

After the eighth week, or midpoint, a student who is the victim of extraordinary circumstances may petition the Vice President for Academic Affairs and Research for administrative withdrawal from a class. The student should prepare a written petition and should include justification and documentation for the drop. A Change of Schedule form signed by student's advisor must be enclosed with the petition. If approved, the Registrar will assign the grade of "W" and will notify the instructor of the class.

Faculty will inform students, upon their request, of their academic progress prior to the last day that a course may be dropped.

Students who are assigned a grade of "F" in a course due to academic dishonesty will not be permitted to drop the course.

WITHDRAWAL FROM THE UNIVERSITY

Students finding it necessary to withdraw from the University must request an official withdrawal at the Registrar Records Office, Coates Administration Building, Room 15. A withdrawal is granted only through the eighth week of classes during a regular semester or through the midpoint of any intersession, summer session, or nonstandard course. A grade of "W" is assigned. Students who leave the University without an official withdrawal are subject to the grade of "F."

After the eighth week, a student who is the victim of extraordinary circumstances may petition the Vice President for Academic Affairs and Research for an administrative withdrawal from the University. The student should prepare a written petition and should include justification and documentation for the withdrawal. If approved, the Registrar will assign grades of "W" and will notify the instructors of the classes.

GRADING SYSTEM

1. Letter Grades

Grades, which are represented by letters, are given point values as indicated:

Grade	Meaning	Grade Points Per Hour
A	Excellent	4
B	Good	3
C	Average	2
D	Poor	1
F	Failure	0
I	Incomplete	0
P	Passing	0
S	Passing	0
U	Failure	0
W	Withdrew	0
AU	Audit	0
CR	Credit Only	0
IP	In Progress	0
NC	No Credit	0
NR	Not Reported	0

The grade point average (GPA) is based on those courses in which a student earned grades of "A," "B," "C," "D," "F," or "U." To calculate the GPA, one first figures the number of hours attempted in courses numbered 100 or above that award any of these grades. Next, one obtains the total grade points for each of these courses. This is figured by multiplying the grade points for each grade by the number of credit hours of the course. For example, a student earning a "B" in ENG 101, a three-hour course, would have earned nine grade points. Finally, the total grade points are divided by the hours attempted. To meet graduation requirements of at least a 2.0 GPA, students must earn at least twice as many grade points as they have hours attempted.

An instructor shall assign a grade of "I" if the instructor believes that the student has been unable to complete the course on time because of unavoidable conditions. The student must complete such a course by the end of the next full-length (i.e., fall or spring) term. If the student does not do so, the "I" grade becomes an "F."

Instructors may assign a grade of "IP" in certain courses in which it might reasonably take students more than a single semester to complete all requirements. A student assigned an "IP" grade for internship, practicum, or self-paced courses must complete requirements within the calendar year after the "IP" is awarded to receive credit. If requirements are not completed, the Registrar will change the "IP" grade to "NC" (NO CREDIT), and the student must register again for the course to receive credit.

2. Pass-Fail ("P" - "F") Option

The Pass-Fail option encourages students to take courses they might otherwise avoid because of lack of background or concern for lowering their grade point average (GPA).

Students who have earned 30 or more semester hours of credit with a minimum GPA of 2.0 may choose the Pass-Fail ("P" - "F") option for a total of 15 hours of free electives. These hours must be exclusive of general education, major, minor, and other course requirements for graduation. Eligible courses must belong exclusively to the category, free electives. Hours passed under the Pass-Fail option will not be used in the computation of GPA's; however, hours failed ("F" or "U") will be used.

Students may choose the Pass-Fail option for one course per semester with a maximum of five credit hours per semester.

Students may select the Pass-Fail option when they register, and they may change to or from the Pass-Fail option up to the date specified in each semester's *Schedule of Classes Bulletin*. Refer to the registration form for signatures needed to take a class Pass-Fail.

3. Auditing Courses

A student may audit a course (i.e., take it without credit) with the permission of the instructor and the dean of the college involved. Registration procedures and fees are the same as for courses taken for credit. Students enrolled for audit must comply with the attendance policy of the instructor, or no course entry will be made on their academic record.

4. Grade Appeals

If a student believes that the final grade assigned in a course is unjustified, that student should consult the instructor, seeking a satisfactory explanation. If, after doing so, the student still feels that the grade is unjustified, the student may appeal the grade, in writing, to the department chair. A written appeal must be filed with the chair within 30 days after the beginning of the next semester (exclusive of intersession and summer session). Refer to the *University Handbook for Students* for complete policy concerning grade appeals.

5. Grade Calculation for Repeated Courses

With the advisor's approval, the grade in a course taken for a second time will replace the first grade earned. A repeat and replacement of any grade beyond the first repeat must be authorized by the dean of the college of the student's first major. If a student enrolls in a course for a third or subsequent time without approval, the student will be administratively withdrawn from the course.

The grade earned in a course taken at another institution will not replace a grade earned at Eastern. A grade of "S," "CR," or "P" will not replace a letter grade.

6. Grade Change

Any change of grades stemming from reassessments or error corrections must be made by the following deadlines:

for fall semester grades - the last day of the following spring semester; and

for spring, intersession, and summer semester grades - the last day of the following fall semester.

Once a degree has been posted to the transcript, changes will not be made to courses or grades earned prior to the posted degree.

ACADEMIC HONESTY

The University faculty have the right to expect students to adhere to the principles of academic honesty. These principles require students to present as theirs only academic work that they are actually responsible for.

Academic dishonesty will not be tolerated. Depending upon the seriousness of the infraction, students found guilty of plagiarizing or cheating will be sanctioned in any of several ways. These range from receiving a failing grade on the assignment to being assigned a failing grade in the course. In addition, if the case is assigned to the Student Disciplinary Council, severer sanctions are possible.

For a full description of what is considered plagiarizing and cheating, refer to the section entitled Academic Honesty Policy in the *University Handbook for Students*.

REPEATING COURSES

With the advisor's approval, a student may repeat a course taken once previously (second enrollment in the same course). A student may enroll in the same course for a third or subsequent time only under unusual circumstances and with the written permission of the dean of the college of the student's first major. An enrollment is counted as a repeat if a previous enrollment in the course resulted in a passing or failing grade. If a student enrolls in a course for a third or subsequent time without approval, the student will be administratively withdrawn from the course. Refer to Grade Calculation for Repeated Courses and Developmental Requirements in this section, as well as the repeat policy of the College of Business in Part IV.

TRANSFER CREDITS/COURSES

Eastern will accept all credits earned at junior and senior colleges accredited by the regional accrediting associations, such as the Commission on Colleges of the Southern Association of Colleges and Schools. However, the dean of each of the University's colleges determines whether particular transfer credits may be used to meet requirements in the programs of that college.

This procedure will be used to evaluate credits of students newly transferring to Eastern. It will also be used to evaluate credits earned at other institutions by Eastern students. Accordingly, Eastern students are strongly advised to obtain their college dean's prior approval of any course work they plan to transfer back to Eastern. The University will take no responsibility for courses transferred without prior approval.

The University considers lower division credits transferred to Eastern as lower division, even if Eastern offers a comparable course at the upper division.

PLANNED CURRICULUM

The planned curriculum is a statement of the student's degree requirements. Students in baccalaureate degree programs who have earned 60 semester hours should see their advisor to execute a planned curriculum. Students in associate degree programs who have earned 15 semester hours should see their advisor to execute a planned curriculum.

CORRESPONDENCE CREDIT

Students with a 2.0 grade point average (GPA) or higher may earn up to 32 semester hours of credit through correspondence courses for a baccalaureate degree and 16 semester hours for an associate degree. Students majoring in the College of Education are required to have an overall GPA of 3.0 to be considered for enrollment in a correspondence course. To apply correspondence credit toward graduation requirements, a student must complete all course requirements, including the final examination, by the following dates: December graduates by November 1, May graduates by March 1, and August graduates by July 1. Students who wish to enroll in a correspondence course should consult with the Office of Extended Programs and refer to the *Correspondence Course Bulletin* for policies and restrictions.

CREDIT BY EXAMINATION

To demonstrate competence attained through educational experiences other than university instruction, students may attempt to earn academic credit by examination in certain undergraduate courses. Conditions which apply to credit by examination are:

1. Only admitted students are eligible for credit by examination.
2. Credit earned by examination is recorded without a letter grade; hence, it has no effect upon the overall grade point average (GPA).
3. A student may attempt to earn credit by examination in a particular course only once.

4. A student may not earn credit by examination in a course which the student has failed without the approval of the dean of the college offering the course.

5. A student may not take a course-specific College Level Examination Program (CLEP) or departmental examination for credit for a course in an area in which advanced course work has already been completed, as determined by the department responsible for the discipline under consideration.

6. A student may not take General CLEP examinations after completing 30 semester hours of college credit without special approval from the Dean for Academic Support and Undergraduate Studies.

7. Special fees are assessed for credit by examination and must be paid prior to taking an examination.

8. A student may attempt to earn credit through a CLEP exam or an American College Testing Proficiency Examination Program (ACT-PEP) exam either before or after enrolling at Eastern and through departmental exams and National League of Nursing exams after enrolling; however, credit earned will not be officially recorded until the student has completed at least 12 semester hours of credit in regular courses at Eastern with a minimum GPA of 2.0.

STUDY ABROAD PROGRAMS

In keeping with its commitment to international and intercultural awareness and diversity, the University offers several study abroad programs. In addition, the Department of Foreign Languages offers a wide range of courses in the languages and cultures of other nations. Through the study of foreign languages and cultures, students develop a broader perspective on the world in which they live.

Students may study in Europe through the Kentucky Institute for International Studies (KIIS), a consortium of Kentucky colleges and universities. KIIS operates a network of summer programs in Munich, Germany; Salzburg and Bregenz, Austria; Nimes and Paris, France; Florence, Italy; Madrid, Spain; and Mexico. Each of these programs offers a variety of academic courses which students may take for university credit. Costs vary according to program. Additional information can be obtained from the Office of International Education or the Dean of the College of Arts and Humanities.

Students may study in Britain through the Cooperative Center for Study in Britain (CCSB), a consortium of Kentucky colleges and universities. Students may take courses during Christmas vacation in London, a two-week course in May in Ireland, and a five-week course in the summer in England. They may also enroll in a junior-year abroad program or enroll for a semester in Oxford. Costs vary according to program. Additional information can be obtained from the Office of International Education, the Dean of the College of Arts and Humanities, or the Dean of the College of Social and Behavioral Sciences.

DEAN'S LIST

The Dean's List is one of several ways in which the University recognizes students who achieve academic excellence. The Dean's List is published after each regular semester. Eligibility requirements for the Dean's List are as follows:

Hours Attempted with Regular Grading	Minimum GPA
12	3.75
13	3.65
14 or more	3.50

Students attempting fewer than 12 semester hours under the regular grading system are not eligible for the Dean's List.

Courses below the 100 level will not be counted in determining eligibility for the Dean's List.

DEAN'S AWARD

As a further recognition of academic excellence, the University presents the Dean's Award to students who have achieved the Dean's List three times. Students receiving the Dean's Award are presented with a recognition pin by the appropriate academic dean.

PRESIDENT'S AWARD

As a further recognition of academic achievement, the University presents the President's Award to students who enroll for a minimum of 12 credit hours, with regular grading, and who attain a 4.0 grade point average for the semester. Students receiving the President's Award receive a letter of recognition from the President. In addition, the Division of Public Information distributes the names of the recipients to appropriate news media, including their hometown newspaper.

MINIMUM SCHOLASTIC STANDARDS

Students are expected to maintain at least a 2.0 cumulative grade point average (GPA). The conditions and actions described below pertain to students whose GPA's fall below 2.0.

A. **Academic Warning** - A student will be on academic warning when his or her cumulative GPA is less than 2.0 but is above the value listed below for the number of hours the student has attempted. A student on academic warning may enroll for a maximum of 16 credit hours during a fall or spring term and a maximum of 6 hours during summer session.

B. **Academic Probation** - A student will be on academic probation when his or her cumulative GPA is less than the value listed for the number of hours the student has attempted.

Hours Attempted	Cumulative GPA
9 - 32	1.5
33 - 64	1.7
65 - 80	1.9
More than 80	2.0

A student on academic probation may enroll for a maximum of 13 credit hours during a fall or spring term and a maximum of 6 hours during a summer term. A student will be removed from probation after the probationary semester by raising his or her cumulative GPA above the listed value. If the student does not do so, he or she may be continued on probation by earning a semester GPA of at least 2.2 during a probationary semester.

Special Notice: Students having difficulty meeting the Scholastic Standards are *strongly* advised to reduce or eliminate part-time jobs and other extracurricular activities which may detract from their studies.

C. **Dismissal** - A student will be dismissed from the University following a probationary semester in which he or she is neither removed from nor continued on probation (see above). The dismissal period for a first dismissal following a fall semester is the spring semester; following a spring semester it is intersession, summer session, and the fall semester. The dismissal period for a second dismissal is one calendar year and for a third dismissal is two calendar years, after which the dismissed student may be eligible for academic bankruptcy.

During a dismissal period, a student will be ineligible to enroll for any course work at Eastern; furthermore, the University will not accept any transfer course work earned during this period.

A student dismissed under this policy may appeal the dismissal in writing to the University Admission Committee if the student believes the dismissal was the result of catastrophic circumstances beyond his or her control.

READMISSION UNDER SPECIAL CONDITIONS

1. Academic Bankruptcy of Eastern Work

Academic bankruptcy allows undergraduate students who are returning to Eastern after remaining out for an extended period to void a portion of the work attempted during one or more semesters of the prior enrollment(s). Eastern offers this option because it recognizes that some students fail to perform satisfactorily due to immaturity or to other factors that interfere with their academic performance.

To qualify for bankruptcy, a student must meet the following conditions:

(a) The student must be readmitted to Eastern after not having attended Eastern or any other institution of higher education during the two prior years.

(b) After being readmitted, the student must attain a minimum of a 2.0 GPA with no grade lower than a "C" on all college-level (i.e., 100 or above) Eastern work through the term in which the twelfth hour is attempted. All courses and grades, including repeated courses, will be counted in computing the GPA.

(c) The student must state, in writing, his or her intention to declare bankruptcy to the Office of the Registrar. The student will also specify which semesters are being requested for bankruptcy. Students may request to bankrupt any or all semesters of their prior work, but all work from a given semester will be bankrupted if the student requests to bankrupt that semester and if the request is approved.

(d) The student may not have previously declared bankruptcy from Eastern.

(e) The term noted above in which the twelfth hour is attempted must be spring 1986 or more recent.

If bankruptcy is granted, the bankrupted work will remain on the transcript; but it will not be counted in the student's GPA and will not count towards degree requirements, including the upper division hours requirement. However, the dean of the college in which the student is enrolled may waive major, supporting, and general education requirements met by bankrupted courses (in which the student received at least a "C" or higher grade), while requiring the student to substitute elective courses equivalent in hours to those waived.

All academic course work, including bankrupted work, will be counted in computing graduation with honors.

2. Academic Bankruptcy of Transferred Work

Academic transfer bankruptcy allows undergraduate students who have been out of higher education for an extended period to void a portion of their earlier work attempted at other institutions. Eastern offers this option because it recognizes that some students fail to perform satisfactorily due to immaturity or to other factors that interfere with their academic performance.

To qualify for transfer bankruptcy, a student must meet the following conditions:

(a) The student must be admitted to Eastern after not having attended any institution of higher education during the two prior years;

(b) After being admitted, the student must attain a minimum of a 2.0 grade point average (GPA) with no grade lower than a "C" on all college-level (i.e., 100 or above) Eastern work through the term in which the twelfth hour is attempted. All courses and grades, including repeated courses, will be counted in computing the GPA;

(c) The student must state, in writing, his or her intention to declare transfer bankruptcy to the Office of the Registrar. The written petition must identify the institutions from which work is to be bankrupted, as well as the specific semesters that are to be bankrupted. Students may request to bankrupt any or all semesters of prior work, but all work from a given semester will be bankrupted if the student requests to bankrupt that semester and if the request is approved;

(d) The student may not have previously declared transfer bankruptcy at Eastern; and

(e) The term noted above in which the twelfth hour is attempted must be fall 1987 or more recent.

If transfer bankruptcy is granted, the bankrupted work will remain on the transcript; but it will not be counted in the student's GPA and will not count towards degree requirements, including the upper division hours requirement. However, the dean of the college in which the student is enrolled may waive major, supporting, and general education requirements met by bankrupted courses (in which the student received at least a "C" or higher grade), while requiring the student to substitute elective courses equivalent in hours to those waived.

All academic course work, including bankrupted work, will be counted in computing graduation with honors.

3. Second Opportunity

The Dean for Academic Support and Undergraduate Studies may invite some students demonstrating academic promise but dismissed under Minimum Scholastic Standards to return to the institution as second opportunity students. These students are permitted to enroll as associate degree students during the dismissal period. For purposes of applying the Minimum Scholastic Standards policy to these students in subsequent semesters, grades for previous courses not applicable to the associate degree requirements will not be considered. If these students subsequently enter baccalaureate programs, grades in all courses attempted will once again be considered in determining their eligibility for continued enrollment.

SUBSEQUENT DEGREES

Only one degree will be awarded at the completion of the baccalaureate or associate degree requirements. Students satisfying requirements in more than one major area will earn two or more majors, and these will be so noted on their transcripts. Refer to Double Major in this section. These majors will be either baccalaureate second majors or associate second majors.

Students having earned one degree may subsequently pursue another, either associate or baccalaureate, by completing all of the requirements of the subsequent degree, including major, supporting, and general education requirements. While some of the hours earned from the earlier degree may count toward the subsequent degree, students must earn at least 16 additional approved semester hours for an associate degree. At least 32 additional hours are required for a baccalaureate degree. If approved in advance by the dean, the student may earn up to eight of the additional hours required for an associate degree while working on the prior degree. Again, with advance approval, the student may earn up to 15 of the additional hours required for a baccalaureate degree while working on the prior degree.

Graduation

APPLICATION FOR GRADUATION

Students completing requirements for graduation in December should apply before the end of the preceding April. May and August graduates should apply by the end of the preceding October.

Appropriate ceremonies are held at the close of the fall and spring semesters and the summer session. Students who are candidates for degrees are encouraged to participate in the ceremony.

Students who complete degree programs in December are invited to participate in the May commencement exercises. However, they will be mailed their diplomas after the end of the fall semester. A reception is held in December to honor those completing degree programs during the fall semester.

HONORS FOR BACCALAUREATE DEGREE GRADUATES

Students are graduated Summa Cum Laude if they attain a cumulative grade point average (GPA) of 3.9 or higher on all semester hours transferred to and attempted at Eastern and if they complete a minimum of 64 hours at Eastern.

Students are graduated Magna Cum Laude if they attain a cumulative GPA of at least 3.7 but less than 3.9 on all semester hours transferred to and attempted at Eastern and if they complete a minimum of 64 hours at Eastern.

Students are graduated Cum Laude if they attain a cumulative GPA of at least 3.5 but less than 3.7 on all semester hours transferred to and attempted at Eastern and if they complete a minimum of 64 semester hours at Eastern.

Students are graduated as Honors Scholars if they successfully complete Eastern's Honors Program, satisfy all comprehensive and program requirements for an undergraduate degree from this University, and graduate with a cumulative GPA of at least 3.0.

For purposes of honors recognition, all semester hours transferred to and attempted at Eastern, including those which are subsequently repeated or bankrupted, will be used in calculating GPA's.

HONORS FOR ASSOCIATE DEGREE GRADUATES

Students are graduated With High Distinction if they attain a cumulative grade point average (GPA) of 3.7 or higher on all semester hours transferred to and attempted at Eastern and if they complete a minimum of 32 semester hours at Eastern.

Students are graduated With Distinction if they attain a cumulative GPA of at least 3.5 but less than 3.7 on all semester hours transferred to and attempted at Eastern and if they complete a minimum of 32 semester hours at Eastern.

For purposes of honors recognition, all semester hours transferred to and attempted at Eastern, including those which are subsequently repeated or bankrupted, will be used in calculating GPA's.

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Course Numbering

Courses are numbered according to the following plan:

000-099 are remedial non-degree credit courses
100-199 are primarily for freshmen
200-299 are primarily for sophomores
300-399 are primarily for juniors
400-499 are primarily for seniors
500-599 are primarily for seniors and are linked with 700 level courses
700-899 are for graduate students only

A student may not take a course numbered more than one year above his/her classification level without advisor permission. To take courses numbered 300 and above in the College of Business, see the College of Business section for requirements.

Special approval must be obtained from the dean of the college offering a 500-level course in order for a junior level student to enroll. Students of less than junior status or unapproved juniors cannot be admitted to a 500-level course and will be disenrolled by the Registrar if such an enrollment occurs.

Course Descriptions

The semester hours which may be earned by successful completion of the course are indicated in parentheses immediately following the course title, e.g., (3).

I, II, and A used in the description of a course indicate the course will be offered the fall semester, spring semester, and by announcement, respectively. A course is offered during the indicated semester or by announcement on the assumption there will be adequate enrollment. If a course does not obtain adequate enrollment, it is subject to cancellation. The University reserves the right to cancel any course if the enrollment is not sufficient, to divide a course if the enrollment is too large for efficient instruction, and to change instructors when necessary.

The description of the course format for courses which include a laboratory experience is found at the end of the course description. A course which consists of three hours of classroom lecture and two hours of laboratory per week is described as "3 Lec/2 Lab."

Courses approved for general education are noted as such by the phrase "Gen. Ed." and a number following the course description. The number refers to the general education category to which the course may be applied. See General Education Requirements in Part 3.

THE OFFICE OF ACADEMIC SUPPORT AND UNDERGRADUATE STUDIES

JACK L. CULROSS, DEAN

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As its two-part name indicates, the Office of Academic Support and Undergraduate Studies is responsible for two kinds of activities seeking to benefit the entire undergraduate student body. Through the Office, academic support is made available by such means as courses designed to help students interact more effectively with others and make career decisions. The Offices of Academic Advising and Testing, Admissions, Career Development and Placement, and the Registrar, as well as the federally funded TRIO Programs, provide services at various stages of students' careers. Finally, the Office attempts to foster the intellectual growth and development of all students through the general education program, as well as through the honors program and programs in cooperative education and international education.

GCS—Interpersonal Skills and Career Counseling

198 Interpersonal Effectiveness Seminar. (1) I, II. The course is designed to assist students in gaining confidence in themselves and in relating more effectively with others. Attention is given to assertiveness, values clarification, and effective life management.

199 Career Counseling Seminar. (1) I, II. The eight-week course is designed to assist students in making wise career decisions. Course content is designed to develop self-awareness, values clarification, and awareness of career alternatives. Experiences are provided to develop decision-making skills. A strong emphasis is given to exploring the world of work relative to job traits, demands, rewards, and future trends.

GSO—Orientation for Undeclared Students

100 Academic Orientation. (1) I, II. An orientation to university academic life and career planning and preparation. Topics include university policies and procedures, program requirements, career opportunities, and introductory study skills. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned.

101 Cultural Orientation for International Students. (1) A. An orientation to American customs and the American education system for undergraduate international students attending an American university for the first time. Students are also required to take GSO 100.

102 Transition to College. (2) A. Prerequisite: taken by referral or placement. The course is an intensive introduction to the university, including study skills, cultural and learning resources, career exploration, and the academic life.

Academic Advising and Testing

E. Wachtel, Director; J. Hopkins.

The Office of Academic Advising and Testing is responsible for providing administrative support to and coordination of the University's undergraduate advising system. Every Eastern undergraduate is assigned an advisor. Selected departmental faculty serve as advisors to students with declared majors; other faculty serve as advisors for undeclared students.

The Office is also responsible for the administration of the developmental testing program in mathematics and reading. The University's developmental program requires testing for all full-time students whose ACT scores are below established cutoffs.

In conjunction with the Office of Student Affairs, the Office is responsible for the Freshman Summer Orientation Program. Some 2,000 freshmen are advised and registered each summer through this program.

Career Development and Placement (CD&P)

A. Harvey, Director; Melius.

Career Development and Placement assists all students and alumni who are seeking employment and/or clarifying their career direction.

For students who have a tentative career direction or major in mind, CD&P can help by providing information on: careers available in that field, placement of past graduates, career paths, supply and demand, salaries, and potential employers. SIGI Plus, a computerized career planning tool, is available to help students explore their interests and provide information on occupations and graduate schools.

To help students who are entering the employment market (full-time, part-time, or summer), CD&P offers seminars and individual assistance on job search skills. This includes the development of a job campaign strategy, preparation of the resume and job campaign correspondence, and the improvement of interview skills.

Thousands of jobs are listed in CD&P, through employer contacts, Job Vacancy Bulletins from other universities, job listing services, and various other sources. A *Job Vacancy Bulletin* is produced bi-weekly by the division, mailed to registered alumni, and is available in the Jones Building, Room 319. Multiple resources are available for researching potential employers. Information about part-time, off-campus employment, summer jobs, and internships is also available at CD&P. Students and alumni may also be active in a state-of-the-art computerized resume referral system.

On-campus interviews are conducted throughout the year to provide job opportunities with participating employers.

Information on CD&P activities is available through the FYI, departmental bulletin boards, and other campus media.

Cooperative Education

G. Johnson, Director; Dirks.

Cooperative education provides the student with an opportunity to blend theory with practice resulting in a balanced education. Learning within the classroom is combined with practical on-the-job training in business, industry, and/or government.

Eligibility to participate in cooperative education is determined by the faculty coordinator in the department of the student's major. Prior to enrolling in cooperative education, students should normally have completed 30 semester hours of credit. Transfer students should have completed one semester at Eastern before applying for cooperative education. All students must have a 2.0 grade point average when applying for cooperative education.

Acceptance of a co-op position for academic credit is contingent upon suitable training plan through an agreement with the employer.

The co-op student may be employed full-time or part-time during a semester. The hours worked must be scheduled with the employer. When employed full-time, the student may earn a maximum of eight academic credits. The amount of credit a student may earn is determined by the academic college or department involved. The University requires a minimum of 80 hours of employment for each semester hour of academic credit. The salary for each position must fall within State and Federal wage guidelines.

Academic credit will be awarded for cooperative education only when the student is enrolled in the University and in the cooperative education program. Credit may not be awarded for past experiences or for anticipated future experiences. A maximum of eight semester hours may be applied toward meeting graduation requirements for the associate degree, and a total of sixteen hours toward the bachelor's degree. Cooperative education credit for students pursuing a second undergraduate degree will be determined by the academic department. Total credit hours for a graduate degree are determined by the department involved.

The student will be assigned a field supervisor by the employer to provide directions and coordination on the job. The field supervisor will also be responsible for providing periodic and final evaluation reports on the student and forwarding this information to the co-op director. Copies of these reports will be forwarded to the academic advisor.

Although the field supervisor will appraise the performance of each student, the grade will be assigned by the department in accordance with established criteria and through a comprehensive evaluation.

To maximize the benefit to the student, it is assumed that the employer will make every attempt to provide the student with a broad exposure to experiences related to the student's goals and the nature of the training site. The student should, however, realize that he/she is a full-time or part-time productive employee. The participating employer, the student, and the University will each sign a letter of agreement spelling out the duties and responsibilities of each party.

The student will in most instances return to the same location for each cooperative education experience. A student may, however, occasionally be allowed to work for several employers in varying situations as long as the work experience is related to the student's career goals and those of the program. For additional information, contact the Director of Cooperative Education at (606) 622-1296.

Honors Program

B. Gray, Director

The Honors Program seeks to provide intellectually stimulating courses within the general education program for students with excellent academic backgrounds and/or exceptional potential for superior performance in college. The 28 hours of courses that make up the Honors Program all meet requirements of the University's four-year programs. That is to say, regardless of the student's major, the courses taken in the Honors Program will apply to the general education requirements for that major. Thus, honors students complete the program without taking courses beyond those they would take were they not in the Honors Program. Honors course work is in fields such as rhetoric, humanities, social science, and natural science. Any student who successfully completes the full 28 hours of course work in the Honors Program and graduates with a cumulative grade point average of at least 3.0 will qualify as an "Honors Scholar." The University will recognize this achievement at its annual Honors Day Program, at commencement, on the academic transcript, and on the student's diploma, where the phrase "Honors Scholar" will appear.

Advantages to participants of the Honors Program include opportunities to experience an innovative curriculum developed by first-rate instructors in the context of small group sessions. Small classes will allow abundant opportunities for dialogue with the instructors and with the other honors students. From such experiences honors students should further develop their communication skills, problem solving abilities, and analytic reasoning abilities. Development of these skills and abilities should make students especially attractive to employers when they seek to enter the job market or graduate and professional schools, should they choose to further their education beyond the four-year degree.

The criteria for selection to the Honors Program are a high school cumulative grade point average of at least 3.5 on a 4.0 scale, completion of the Kentucky pre-college curriculum or equivalent, and a composite score on the American College Test (ACT) of at least 26 with no individual subject score below 21. Students who do not meet these criteria may request consideration for admission by writing a letter to the director which should include specific and detailed reasons why the student believes that he/she should be admitted to the Honors Program. Students who are national merit semifinalists or finalists are automatically eligible for the Honors Program. Additional information can be obtained from the director by calling (606) 622-1403.

HON—Honors Program Courses

100 Honors Seminar. (1) I. This course is designed to be an introduction to the Honors Program and will include selected readings and discussions, guest speakers, and enrichment experiences.

102 Honors Rhetoric. (6) I. Designed to improve skills in writing, reasoning, oral presentation, and research. Each student will do a research paper that requires both significant use of library resources and the development of a cogent line of argument. Gen. Ed. 01 and 02.

205 Honors Humanities I. (3) II. This course (together with HON 206) provides a survey of great works in the humanities from ancient times to the twentieth century. Gen. Ed. 05.

206 Honors Humanities II. (3) I. This course (together with HON 205) provides a survey of great works in the humanities from ancient times to the twentieth century. Gen. Ed. 06.

210 Honors Civilization I. (3) II. Analyzes the historical developmental of Western and other major civilizations to the eve (c. 1700) of the Industrial Revolution with emphasis on: Ancient Greece, the historical setting for an Asian Religion, Europe c. 1300, and Europe c. 1650. Gen. Ed. 10.

211 Honors Civilization II. (3) I. Analyzes the economic, political, and intellectual forces that have changed the world since c. 1700 A.D. with emphasis on the French Revolution, the Industrial Revolution, Imperialism, the World Wars and the Emergence of the Third World. Gen. Ed. 11.

304 Special Topics. (3) I, II. A topics course meeting the goals of the Honors Program as well as those of General Education category 04.

308 Special Topics. (3) A. A topics course meeting the goals of the Honors Program as well as those of General Education category 08.

312 Special Topics. (3) A. A topics course meeting the goals of the Honors Program as well as those of General Education category 12.

315 Honors Science Seminar. (3) II. Prerequisite: student must be in the Honors Program or honors director approval. The nature of scientific inquiry. In-

depth treatment of a centrally important concept or conceptual scheme, emphasizing how the concept changes in time. Investigation of the relationship of science and public policy or values. Gen. Ed. 15 or 16.

316 Special Topics. (3) A. A topics course meeting the goals of the Honors Program as well as those of General Education category 16.

320 Special Topics. (3) A. A topics course meeting the goals of the Honors Program.

420 Thesis Project and Seminar. (3) I, II. An in-depth thesis or major project, approved by the honors director, and presented in a suitable format within the seminar.

International Education and Foreign Student Advising

, Director

There is a growing awareness of the need for greater international and inter-cultural understanding. The University provides assistance and attempts to foster a greater commitment and involvement in international education throughout the institution.

Eastern Kentucky University has about 175 international students studying at both the undergraduate and graduate levels. These students represent approximately 40 nations. The Director of International Education (Foreign Student Advisor) serves as the designated University official to assist all international students with their legal requirements and their relations with the United States Office of Immigration and Naturalization Services and other official agencies. The director may also advise and assist international students with other needs as they arise.

Some inter-cultural activities and services provided by the Division of International Education include an orientation for new students, a host family program, a monthly newsletter, a monthly Cross Cultural Mixer, an International Nights Series, international dinners, four international students' organizations, an annual culture festival, a weekly International Film Series, an International Speakers' Bureau, and the EKU International Magazine published twice each year. The Division also awards scholarships to international students each semester.

The Division of International Education also promotes the Eastern Kentucky Study Abroad programs for American students and faculty. Current information on international study, travel, and exchange programs is available. Eastern participates in two study abroad programs: (1) Cooperative Center for Study in Britain (CCSB) which offers courses during Christmas vacation in London, a two-week course in May in Ireland, five-week courses in the summer in England, a junior-year abroad program, and a semester in Oxford program; (2) Kentucky Institute for International Studies (KIIS) has summer study programs in Austria, France, Germany, Italy, Mexico, and Spain.

For more information, contact the Director of International Education, Eastern Kentucky University, 140 Keith Building, Richmond, Kentucky 40475-3119, or call (606) 622-1478.

Office of the Registrar

J. Allgier, Registrar; Lainhart, Leszczynski, B. Strong.

The Office of the Registrar is responsible for services which assist the students, alumni, and university personnel with the preparation of the schedule of classes, the enrollment of students, the preparation, maintenance, security and delivery of the academic records of the University, the preparation of enrollment and athletic reports as required, the preparation of the commencement exercises dealing with diploma delivery, the academic honors program, the dean's award, and the administration of the minimum scholastic standards policy of the University.

Continuing students should report to the Office of the Registrar for the following assistance: demographic data forms; schedule books; grade reports; transcripts; completion of insurance, governmental, and bank loan forms; class standing; military credit evaluation; name/address changes; withdrawals; and information concerning the academic standards and academic honors programs.

Special Programs for Disadvantaged Students (TRIO)

The following programs are made possible through special grants to Eastern Kentucky University from the United States Department of Education:

EDUCATIONAL TALENT SEARCH PROGRAM

B. Sullivan, Director; Poore, Renaker, Wilkins, Williams-Clark.

The Educational Talent Search Program is funded by the United States Department of Education. The goal of the program is to assist participants from designated Central Kentucky counties to continue in, and graduate from, secondary schools and to then enroll in post-secondary educational programs. Educational Talent Search assists students who want to attend post-secondary institutions by offering such services as career counseling, educational counseling, and financial aid information and assistance. Educational Talent Search also offers assistance to participants with special needs by identifying support services for those students. The Educational Talent Search Program offers assistance to high school dropouts through referrals to GED programs and local high schools. Post-secondary stop-outs can also receive program services. All services are free of charge. For more detailed information, contact the Educational Talent Search Program, 418 Begley Building, Richmond, Kentucky 40475-3105; phone (606) 622-5425.

STUDENT SUPPORT SERVICES PROGRAM

N. Hindman, Director; C. Edwards, Tinsley, K. Williams.

The Student Support Services Program provides comprehensive continuing academic assistance for Eastern students with economic and/or academic disadvantages or disabilities that may interfere with their efforts to succeed in college. Located in the newly renovated Turley House, Student Support Services offers individual supervised peer tutoring in a variety of academic subjects and skills; professional and peer counseling for academic, personal, vocational concerns; individualized academic advising and an expanded GSO 100 Academic Orientation course for the program's "NOVA" advisees; and informed referral services. Staff members also conduct an extensive tutor and peer helper training program and special evening workshops on such topics as listening and note-taking, time management and study skills, test taking techniques, financial assistance, and career planning. Both professional and student staff members are available to help students from 8 a.m. to 4:30 p.m. weekdays, or at other hours by arrangement during the fall and spring semesters. Students seeking assistance can determine their eligibility and apply for services at the program offices or call (606) 622-1047.

UPWARD BOUND PROGRAM

M. Hubbard, Director; Hughes, Nichols.

The Upward Bound Program has been at Eastern Kentucky University since 1965. The program selects students with college potential in order to improve their academic skills and provide them with the motivation necessary to succeed in college. Stu-

dents are chosen from ten high schools in the nine counties of Casey, Estill, Garrard, Jackson, Lee, Lincoln, Madison, Powell, and Wolfe. To be eligible, students must be first generation (neither parent can have a college degree) or their family income must meet federal guidelines. Students start the three year program during their sophomore and junior years of high school. Tutoring sessions and on-campus meetings are held during the school year to provide academic assistance as well as financial aid and college admission information. During the summer, a six week dormitory residential program includes academic classes, cultural and educational trips, plus social and recreational activities. Tutor counselors (college students) are employed to live in the dorms with the students to assist them individually with their studies and other program activities. Interested students from the above counties should contact their high school guidance counselor or write to the Director, Upward Bound Program, Eastern Kentucky University, 500 Begley Building, Richmond, Kentucky, 40475-3105, or call (606) 622-1080.

DIVISION OF EXTENDED PROGRAMS

MARION W. OGDEN, DIRECTOR

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Institutions of higher education can no longer meet their responsibility by offering only the service provided by the traditional campus programs. Opportunities must be available for groups and individuals who desire additional education but find it impossible, or at least impractical, to participate in the traditional educational activities of the University. This demand on the University is due to such factors as the need for practitioners to keep abreast of the expansion of knowledge in their field, the desire for people to improve their competence in their present vocation or prepare for a new vocation, and a renewed interest in educational activities brought about by increased leisure time for many people.

Eastern Kentucky University's Division of Extended Programs meets these needs through extended campus classes, correspondence study, and nontraditional programs. For information, please write to the Division of Extended Programs, Eastern Kentucky University, Richmond, Kentucky 40475-3101, or call (800) 262-7493 or (606) 622-2001.

Extended Campus Courses

Eastern Kentucky University strongly holds to the philosophy there should be a close relationship with the homes, schools, industry, and various community groups of the state with the aim that any citizen may call upon the University for any assistance which the institution may be able to provide. The extended campus educational program of Eastern is designed to serve students who are unable to enroll in residence or who find it more helpful to work in local groups on certain common problems.

Extended Campus Centers

Off-campus centers have been established at Corbin and Manchester. An off-campus center is being planned for Danville. When fully developed, these centers should provide a full array of student services and a variety of undergraduate general education classes. Offices are open at these sites and may be contacted by telephone.

Corbin	528-0551
Manchester	598-8122
Danville	236-6866

Nontraditional Studies

The area of nontraditional studies focuses on providing educational services to nontraditional target audiences and providing nontraditional alternative methods of earning college credit. Many adults returning to college are doing so after a prolonged absence from any formal education process and require short programs to reorient them to the academic world before enrolling in their first class. In addition, distance from the campus often prevents people from obtaining necessary courses. Therefore, nontraditional studies also coordinates the delivery of instruction via telecommunications.

Media Assisted Courses

TELECOURSES

Eastern Kentucky University, thru its membership in the Kentucky Television Consortium on television and with the cooperation of KET, offers college level classes on television. KET is a statewide television network and the telecourses are aired weekly on all KET stations. The consortium approves nine courses each semester. Eastern offers most of these courses depending on available faculty. Each telecourse covers the same content as the on-campus course and is proctored by a faculty member.

Telecourses require little or no traditional class attendance, but do require that a student be able to integrate information from two or more instructional mediums. Telecourses require text reading, written assignments, projects, and exams in addition to watching the televised lessons. Telecourses are treated the same as campus classes in regard to admission, tuition, and financial aid.

MULTI MEDIA COURSES

Educational programs can be delivered to students at a distant site utilizing the telephone conference system. There would be audio and interactive computer graphics between the instructor and the students. Prepared materials are sent to each receiver site in advance of the lecture and are supplemented with a live lecture from the campus via a telephone conference network. Several different sites may be hooked up simultaneously to receive the lecture.

Eastern Kentucky University utilizes a variety of technologies in delivering credit classes to distant learners. Several classes are taught via satellite transmission. Comprised interactive video technology is being developed to extend the learning opportunities to off-campus centers. Video assisted classes have been developed and are being used in the delivery of class instruction.

Correspondence Study

Eastern Kentucky University, through the Division of Extended Programs, offers a number of regular college and high school correspondence courses which may be taken on a credit or noncredit basis. The college courses may be applied toward a bachelor degree from Eastern Kentucky University or other insti-

tutions of higher education. The high school courses may also be taken on a noncredit basis for other goals such as studying for professional advancement, exploring new interests, or learning new skills.

Correspondence courses cover essentially the same material as the same or similar courses offered on-campus. Students prepare assignments and submit them, along with any questions they may have, to their instructor through the Extended Programs Office. The instructor then evaluates the work and returns the evaluation form with comments. This type of instruction offers an opportunity for the student to be taught on an individual basis.

Enrollment in correspondence classes will count as a part of a student's load for the term the student initially enrolls according to the following schedule:

REGISTRATION PERIOD	TERM
July 16 - November 15	Fall
November 16 - April 15	Spring
April 16 - May 15	Intersession
May 16 - July 15	Summer

Students who do not complete a correspondence course during the semester of registration may be awarded a grade of "I" at the end of that semester. A grade of "I" must be completed within the term (excluding intersession and summer terms) following the assignment of the "I" grade or the "I" grade becomes an "F." Correspondence courses will not be simply allowed to expire with no grade.

Within eight weeks (56 calendar days) from the date of enrollment, a student may request to withdraw from a correspondence course in which case the student will receive a grade of "W." Students who fail a course (other than correspondence) may not repeat the course by correspondence.

The Correspondence Course Bulletin contains the complete list of courses available through correspondence study and the policies and procedures. Copies of the Correspondence Course Bulletin are available from the Division of Extended Programs.

COLLEGE OF ALLIED HEALTH AND NURSING

DAVID D. GALE, DEAN

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The College of Allied Health and Nursing endorses the threefold mission of Eastern Kentucky University. This mission, for the College of Allied Health and Nursing, includes: (1) developing the intellectual capacities of our students by providing the highest level of instruction possible; (2) exploring avenues of applied research and scholarly activities that support the instructional mission of the college; and (3) providing discipline related service and/or consultation to organizations and agencies that enhance the teaching and scholarly activities of the college.

The Commonwealth of Kentucky recognizes the need for education of allied health and nursing professionals; and, therefore, supports a broad range of health disciplines. Consequently, an extensive array of health programs have been developed. The college offers educational opportunities in a variety of disciplines which are concerned with the maintenance and promotion of health.

PHILOSOPHY AND GOALS

The faculty of the college ascribes to the philosophy that each individual has the right to define a set of values and determine a commitment to them. Further, the identification of human values evolves through learning which enables the individual to search for knowledge and truth. The faculty acknowledges the individual's right to meet basic human needs, including the right to develop full potential.

Traditionally, health care was rendered primarily to the acutely ill in institutional settings. In the future, the health care focus will be disease prevention and health maintenance. Such a focus demands that practitioners be educated on a broad base which is built upon the biological, social, and physical sciences. Further, learners must be allowed to practice skills in a variety of health care systems.

The curricula of various programs are comprised of a series of planned educational experiences designed to facilitate learning and to lead to the achievement of clearly defined educational objectives. The learning of a curriculum enables students to acquire a body of knowledge, become proficient in skills, and gain appreciation for the practice of a chosen health care profession. Education as viewed by the faculty is a cumulative and ongoing process which results in increasing cognitive, psychomotor, and affective capabilities for those who pursue it.

OBJECTIVES OF THE COLLEGE

1. To provide high-quality programs at the undergraduate and graduate level for individuals who wish to pursue a health profession. These programs provide the students with the professional knowledge and skills necessary for the delivery of high-quality health services.
2. To offer programs that present a professional body of knowledge supported by a liberal arts-based interdisciplinary program designed for individuals with a career objective in allied health and nursing.
3. To develop and expand the knowledge base in allied health and nursing and to provide this information to the public within the health care system.
4. To develop effective programs that contribute to the societal needs of the Commonwealth and provide opportunities for students both on- and off-campus in order to be responsive to the needs of the citizens of the Commonwealth of Kentucky, including both urban and rural health care programs.
5. To develop and maintain graduate programs that are societally relevant and reflect advanced knowledge and skills in the disciplines of allied health and nursing.
6. To develop and provide opportunities for career mobility and continuing education for professionals, the public, and programs that will enhance services to the citizens of the Commonwealth.
7. To assist students to prepare for entrance and successfully complete a health care program.
8. To encourage development of learning experiences that will enhance the team concept in health care and the principles of lifelong learning.
9. To provide for career mobility and continuing education within the various health professions.

ADMISSION REQUIREMENTS

The College of Allied Health and Nursing accepts applications from all persons who are qualified for admission to the University. All applicants must provide evidence of their ability to meet the academic standards established by the various programs. Due to enrollment limitations of programs, applications should be made early. Applications received after the deadline of a program will be processed and admissions recommended on a space available basis. Specific entrance requirements for each program are shown in the departmental sections of this *Catalog*.

GENERAL ADMISSION POLICIES

1. Students must follow the general admission policies of the University prior to being considered for enrollment in programs within the College of Allied Health and Nursing. Specific admission criteria are provided under each of the allied health and nursing programs. The student is responsible for obtaining information for the application process including department deadlines.

2. Transfer work must be from an accredited institution and with a minimum grade of "C" in major and supporting courses. The applicant must be eligible to return to the last institution attended.

3. Work taken more than eight years previously must be approved by the Dean of the College.

4. In the event that a student is not accepted for a program, the student who wishes to reapply must submit a new application and redated materials which will be considered when a new class is accepted.

Students desiring to complete collegiate work required for admission to professional programs may complete this work at any accredited college or university. Students are urged to carefully plan their course of study to include the disciplines and subject areas described in the individual programs.

Students who have not reached a decision on the specific health career in which they wish to enroll may obtain counseling through the Office of the Dean. Students will be provided with guidance by individual program directors, as well as the admissions coordinator of the College of Allied Health and Nursing.

STUDENT AGREEMENT STATEMENT

All students enrolled in the College of Allied Health and Nursing are required to sign an agreement statement which encompasses professional expectations related to the program. This statement is to be signed when the student enters courses in the major.

STUDENT LIABILITY (MALPRACTICE) INSURANCE

All students whose programs require participation in clinical learning experiences must purchase and maintain liability insurance during the entire clinical experience. Proof of such insurance coverage must be furnished to the department before the clinical experience is scheduled to begin. The University has arranged for appropriate insurance coverage at a modest cost to the student. Further information may be obtained at the student's major departmental office.

CLINICAL FACILITIES

The University maintains formal contracts with many health care agencies located throughout Kentucky. Almost every specialty within the entire health care spectrum is available for use in providing high quality experiences for students enrolled in the programs. A list of cooperating agencies is available through the Office of the Dean.

The University is not liable for, nor is there a fund from which payment can be made for those who are inconvenienced or incur expenses based upon canceled classes, assignments, or clinical placements, etc.

BLOODBORNE PATHOGENS AND HEPATITIS B STATEMENT

The College of Allied Health and Nursing endeavors to impart the principles and practice of infection control to its students who may have future occupational exposure to bloodborne pathogens. To this end, students majoring in clinical laboratory science and technology, emergency medical care, medical assisting, nursing, and occupational therapy are required to receive education in universal precautions and the Occupational Safety and Health Administration's (OSHA) Bloodborne Pathogens Standard regulations. Students will be responsible for obtaining the Hepatitis B vaccination prior to participation in the clinical training phase of their respective programs when indicated. Students who may potentially be exposed to blood and body fluids are required by most of our clinical agencies to have obtained the Hepatitis B vaccine. If this requirement is placed upon the student, it will be strictly enforced. Please see your *Student Handbook* for further clarification.

TRANSPORTATION STATEMENT

Students are responsible for providing their own transportation to and from the clinical facility.

DEGREE AND CERTIFICATE REQUIREMENTS

The students are responsible for selection and registration for courses needed for reasonable progress toward their degree or certificate which will enable the students to satisfy requirements for graduation. Students may re-enroll in the same course for a subsequent time only under unusual circumstances and with the written permission of the Dean of the College of Allied Health and Nursing. Students who interrupt their program sequence must obtain approval of the Admissions Committee of the department prior to re-entry.

The Master of Arts in Education degree with an emphasis in allied health is offered in the College of Education with the cooperation of the College of Allied Health and Nursing. The major emphasis of this program is for students who wish to teach in the various allied health disciplines. A core of courses is designed to meet the needs of the students, depending on their clinical backgrounds. Complete requirements of the degree may be found in the College of Education section of the *Graduate Catalog.*

The College of Allied Health and Nursing offers the Master of Science degree in occupational therapy. Complete requirements are found in the *Graduate Catalog.*

BACHELOR OF SCIENCE DEGREE

The College of Allied Health and Nursing offers the Bachelor of Science degree in clinical laboratory science, environmental health science, health information management, nursing, and occupational therapy.

ASSOCIATE OF SCIENCE DEGREE

The College of Allied Health and Nursing offers the Associate of Science degree in clinical laboratory technology, emergency medical care, health information technology, medical assisting technology, and nursing.

PRE-BACCALAUREATE AND PRE-ASSOCIATE DEGREE NURSING

Students who are accepted by Eastern Kentucky University Admissions Office and declare their major as baccalaureate nursing are admitted as pre-baccalaureate nursing students. Students who are accepted by the Eastern Kentucky University Admissions Office and declare their major as Associate Degree Nursing and are not accepted in the program for the next fall or spring class may enroll in pre-associate degree nursing. These students will be assigned an advisor and will be considered for admission to the program when they meet the admission criteria.

The number of admissions to the baccalaureate and the associate degree nursing program (two classes annually in both programs) is limited, and preference will be given to the most highly qualified candidates.

CERTIFICATES

Students completing the requirements of advanced emergency medical care and medical administrative will be awarded a certificate of completion by Eastern Kentucky University. This should not be confused with the state certification or licensure.

The Department of Health Information offers a coding certificate of completion and a post-baccalaureate certificate of completion in health information management.

DEGREE REQUIREMENTS

General University requirements described on page 25 in Part Three of this *Catalog*, as well as specific course requirements set forth in the description of curricula, must be met by students completing associate and baccalaureate programs administered by the College of Allied Health and Nursing. See programs under each department for major and minor requirements. All freshmen in the College of Allied Health and Nursing must enroll in the Academic Orientation course (ANO 100).

In addition to the general University requirements, specific degree requirements for the College of Allied Health and Nursing are as follows.

Baccalaureate Degree

1. A minimum grade point average of 2.0 in each CLS, EHS, HNF, NSC, OTS course and selected AHN courses is required.
2. Hours earned through challenge exams do not count toward the 30 required residence hours.
3. HEA 281 is not required in the general education requirements for nursing students.
4. Eight hours restricted electives are not required for health information management students.
5. Students pursuing a baccalaureate degree in any allied health and nursing major shall be permitted to declare a minor or a second major outside of the College of Allied Health and Nursing. Any student who chooses to pursue a minor or second major must have as their primary advisor a faculty member from the College of Allied Health and Nursing. A minor or a second major will only be feasible for those students extending their baccalaureate education beyond the traditional four years.

Associate Degree

1. A minimum grade point average of 2.0 in each CLT, EMC, HNF, MAS, NUR course and selected AHN courses is required.
2. Hours earned through challenge exams do not count toward the 15 required residence hours.
3. A minimum of 16 hours in courses approved for general education is required for all associate degree programs. These hours include ENG 101 and 102, or their equivalent. The ten additional hours must include approved courses in categories 05-08 (humanities), categories 09-12 (social science), and categories 13-16 (sciences) or an approved MAT course from category 03. Courses that meet general education requirements have been identified by an asterisk(*). In addition, an orientation course (ANO 100) is required for all associate degree programs. Four hours of restricted electives are required for emergency medical care majors.

Credit for Transfer Work

The specific credit for work done at other institutions which may apply toward admissions and a degree from the College of Allied Health and Nursing is determined by the Office of the Dean and the student's major department. The amount of such transfer credit shall not exceed that allowed by the Office of Admissions of the University. Allowance of transfer credit by the Office of Admissions does not mean necessarily that all such credit will be accepted toward a degree from one of the programs in the College of Allied Health and Nursing.

Credit for Transient Work

Students in the College of Allied Health and Nursing who wish to take course work at another college must have written approval from their advisor, their chair, and their dean if they wish to apply that credit to a degree program. The student must be in good academic standing at Eastern Kentucky University.

Repeat and Continuance Policies

Listed below are the minimal standards for these policies. Please refer to department policies for additional requirements.

1. A grade of "C" (2.00) or better is required in all major and supporting courses to continue in an allied health or nursing program.
2. Under unusual circumstances and with prior approval from the major department, an allied health or nursing student who receives a "D" or "F" in a supporting course may be allowed to repeat the supporting course a second time.
3. A student who leaves the major and is readmitted may be required to take additional course work prior to or concurrent with readmission.

ANO—Allied Health and Nursing Orientation

100 Academic Orientation. (1) A. Orientation to university academic life and career preparation with emphasis on University regulations, catalog details, registration, career opportunities, and program requirements. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned.

GRADUATE COURSE CREDIT

Courses numbered in the 500/700 series are open to seniors and graduate students who meet course and program prerequisites. Additional appropriate experiences are required of all graduate students enrolled in the same course with undergraduates. Courses numbered in the 800 series are open only to graduate students.

PLANNED CURRICULUM

Upon completion of 60 hours, a planned curriculum (which specifies the remaining graduation requirements) must be initiated by baccalaureate degree students by consulting the faculty advisor in the major department. Associate degree students may request a planned curriculum after completion of 15 hours. Any subsequent change in the planned curriculum is proposed on forms available in the office of the advisor.

REQUIREMENTS FOR GRADUATION

Students file an application for graduation in the dean's office. They should apply by the end of April if they will complete requirements in December, and by the end of October if they will graduate in May or August. It is the students' responsibility to plan their program and to register for the proper courses so that they will have satisfied all requirements at the time they expect to graduate.

PRE-PROFESSIONAL ALLIED HEALTH PROGRAMS

Students interested in a baccalaureate degree allied health program, such as physical therapy and dental hygiene, may take two years of pre-professional courses before transferring to another institution at the professional level. It is strongly recommended that out-of-state students communicate with colleges in their own state. Students, at the time of advisement, interested in a specific allied health program such as physical therapy or dental hygiene should provide a copy of the curriculum outline for the program to which they plan to transfer. An advisor will assist in the development of a specific transfer program. The 72 hours of course work listed below will meet the requirements for freshmen and sophomores at most institutions.

Two semesters of English composition	6 hours
Two semesters of psychology	6 hours
Two semesters of general chemistry with lab	9 hours
Two semesters of physics with lab (physical therapy)	10 hours
Sociology	3 hours
Two semesters of general zoology or biology with lab	8 hours
General Education courses (includes six hours of history, six hours of humanities, and six hours of math)	18 hours
Two semesters of foreign language (or two years in high school)	6 hours
Electives	6 hours
Total pre-professional courses	72 hours

DIVISION OF CONTINUING EDUCATION

J. Collins, Director

The Division of Continuing Education in the College of Allied Health and Nursing serves health professionals whose service-action careers demand educational activities to be ongoing and open ended. Programs for these professionals are tailored to meet expressed job-related needs. Studies are conducted continually so that a wide variety of programs can be offered each year. The offering objectives are to increase the professional's depth in a specialized area of subject matter and to develop an understanding of ways to apply this knowledge to serve more effectively health related needs.

Offerings are designed for single disciplines, for interdisciplinary participation, and on occasion include the general public. Programs are held both on- and off-campus and include workshops, seminars, conferences, and short term noncredit courses. Program faculty are from university academic departments as well as specialists in health or health related fields from the off-campus population.

Continuing education units are awarded for successful completion of program offerings. For further information, contact the Division of Continuing Education, College of Allied Health and Nursing, Eastern Kentucky University, Richmond, Kentucky 40475-3127, (606)-622-2143.

INDEPENDENT STUDY LABORATORY

P. Daugherty, Director

The Independent Study Laboratory is a learning resource center, audio-visual library, and computer center for the College of Allied Health and Nursing. It provides support to the instructional needs of the faculty through the use of audio-visual materials, equipment, and other services. The primary purpose of the Independent Study Laboratory is to provide the student the opportunity to reinforce previous learning of clinical/classroom content through independent review of audio-visual materials and CAI (Computer Assisted Instruction) programs. Students also have access to other available resources such as anatomical models, charts, reference books, professional articles, and periodicals. The Independent Study Laboratory is located in the Rowlett Building, Room 310.

DEPARTMENT OF

CLINICAL LABORATORY SCIENCE

D. Hufford, Chair; Campbell, Cowell, Noblitt.

The Department of Clinical Laboratory Science is dedicated to growth and development of the medical laboratory profession in Kentucky. Our commitment is to quality education for our students. Our mission is to produce technically competent, career entry-level clinical laboratory technicians and scientists who have a strong sense of responsibility and professionalism and who are capable of professional advancement.

The department offers two accredited degree programs: (1) a two-year associate degree program in clinical laboratory technology, and (2) a four-year baccalaureate degree program in clinical laboratory science. There are two paths in the four-year program, an upper division (2+2) curriculum in clinical laboratory science and a cytotechnology option.

The clinical laboratory technology (CLT) program consists of three semesters of on-campus study and followed by an 18-week rotation in a hospital laboratory facility affiliated with the EKU program. Graduates of the program are eligible to take national examinations for certification as a medical laboratory technician or clinical laboratory technician.

The clinical laboratory science (CLS) upper-division program consists of seven semesters of on-campus study followed by an 20-week clinical rotation in a clinical laboratory facility affiliated with the EKU program. Graduates of the program are eligible to take national examinations for certification as a medical technologist or clinical laboratory scientist.

The cytotechnology option includes a 12-month practicum in an accredited school of cytotechnology. Upon completion of general education and prerequisite courses, the students must seek admission to the school of cytotechnology for completion of degree requirements. The department provides assistance in the admission application process.

Special consideration is given to students who possess a college degree in another major and desire to obtain a degree in clinical laboratory science.

ADMISSION REQUIREMENTS

Clinical Laboratory Science (CLS) Program

All students who are accepted by the EKU Admissions Office and declare their major as clinical laboratory science (CLS) are accepted into the pre-CLS major. Admission to the upper-division (professional) program requires an overall grade point average (GPA) of 2.5 with a grade of not less than "C" in each of the required supporting and major courses. Transfer students must maintain a GPA of 2.5 in courses at EKU as well as an overall GPA of 2.5.

Students who meet the minimum requirements will be accepted into the program within the enrollment limits determined by the number of practicum openings. The department reserves the right to accept only the best qualified applicants who meet the minimum requirements.

Clinical Laboratory Technology (CLT) Program

For admission to the CLT program, a high school graduate must meet a minimum of two out of three of the following:

1. ACT minimum standard score of 17
2. Minimum high school grade point average (GPA) of "B"
3. Projected rank of upper third of high school graduating class.

Students who meet the minimum requirements will be accepted into the program within the enrollment limits determined by the number of practicum openings. The department reserves the right to accept only the best qualified applicants who meet the minimum requirements. While awaiting acceptance, students will be assigned to the pre-CLT major.

Change of major and transfer students must have attained a minimum of 2.25 overall GPA on a minimum of 12 hours attempted. Any transfer student not having the minimum GPA will be assigned to the pre-CLT major until the minimum requirement is attained.

PROGRESSION POLICY

The Department of Clinical Laboratory Science limits the number of major courses which may be repeated. In addition, a major course or supporting course may usually be repeated only once.

To remain in the upper division CLS program, a student must maintain an overall GPA of 2.5 and with a grade of not less than "C" in each of the supporting and major courses of the curriculum.

A GPA of 2.25 is required to remain in the CLT program. In addition, students must earn a minimum grade of "C" in each of the major courses of the CLT curriculum. Students not meeting the minimum requirements will be assigned pre-CLT major status and have the opportunity to enroll in general education and supporting courses in order to establish an acceptable GPA.

Clinical Laboratory Science

AREA MAJOR, UPPER DIVISION PLAN OPTION, CYTOTECHNOLOGY (BACHELOR OF SCIENCE)

Major Requirements ..... 37-55 hours

Upper Division Core ..... 55 hours
BIO 520, CLS 201, 300, 305, 308, 309, 310, 320, 346, 411, 431, 432, 434, 436, 437, 438, 439, 440, and 441.

Option

Cytotechnology ..... 37 hours
CLS 402.

Supporting Course Requirements ..... 31 hours

Upper Division ..... 31 hours
BIO 211, 320, 348, CHE 111, 112, 330, CIS 230, and MAT 107.

Cytotechnology ..... 31 hours
Twenty hours approved biology, eight hours approved chemistry, and three hours approved math.

General Education Requirements ..... 34 hours
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
ANO 100 and eight hours of restricted electives.

Free Electives ..... 0-17 hours

Total Curriculum Requirements ..... 128-129 hours

Clinical Laboratory Technology

ASSOCIATE OF SCIENCE

Major Requirements ..... 30 hours
BIO 276, CLT 201, 202, 203, 204, 205, 206, 207, and 208.

Supporting Course Requirements ..... 23 hours
BIO 211*, 348, CHE 111*, 112*, CIS 230, and MAT 107*.

General Education Requirements ..... 15 hours
ANO 100, HPR 180*, 282*, three hours general education humanities*, three hours social science*, and six hours of English composition*.

Total Curriculum Requirements ..... 68 hours

Course Descriptions

CLS—Clinical Laboratory Science

201 Introduction to Clinical Pathology. (3) II. Open to all students. Techniques common to clinical laboratories. Stresses basic physical and chemical principles of disease process. 4 Lec/Lab.

300 Clinical Laboratory Methods. (2) I. Prerequisite: enrollment in upper division plan or instructor approval. Lab calculations, instrumentation, and quality assurance. 2 Lec.

305 Analysis of Body Fluids. (2) I. Prerequisite: enrollment in upper division plan or instructor approval. Principles, procedures, and significance of analysis of urine, spinal fluid, and other fluids commonly examined in the clinical laboratory. 3 Lec/Lab.

308 Clinical Serology. (2) I. Prerequisite: pre-CLS or CLS major or instructor approval. Principles, procedures, sources of error, and clinical application of serological tests, immune mechanisms, specimen collection; procedures include ASO, VDRL, RA, LE, IM, Rubella, Cold Agglutinins, fluorescent antibodies, and others. 4 Lec/Lab.

309 Clinical Immunology. (1) I, II. Prerequisite: pre-CLS, CLS major, or instructor approval. Principles and techniques of antigen-antibody reactions of the human immune system and their relationship to the clinical laboratory.

310 Hematology and Coagulation. (5) I. Prerequisite: enrollment in upper division plan or instructor approval. Morphology of blood, determination of blood parameters and dyscrasias; mechanisms and procedures in coagulation. 6 Lec/Lab.

320 Immunohematology. (3) II. Prerequisite: enrollment in upper division plan or instructor approval. Blood banking, blood grouping, phenotyping, cell panels, compatibility testing, and transfusion practices. 2 Lec/2 Lab.

346 Clinical Chemistry. (6) II. Prerequisite: enrollment in upper division plan or instructor approval. Introduction to theory and lab procedures, measurement of constituents of body fluids, instrumentation, and clinical interpretation of results in relation to biochemistry of human systems. 3 Lec/6 Lab.

402 Cytotechnology Practicum. (9-14) I, II, A. Prerequisite: enrollment in cytotechnology program. Designed for the student who is interning at an accredited school of cytotechnology.

411 Clinical Microscopy. (3) II. Prerequisite or Corequisite: BIO 520. Principles and specific techniques in clinical microscopy. Focuses on aspects of bacteriology, mycology, parasitology, and virology which use microscopy as a primary tool for laboratory diagnosis, with emphasis on direct examination of clinical specimens. 2 Lec/2 Lab.

431 Clinical Correlations. (3) I, A. Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Correlates the sub-disciplines of clinical laboratory science. Reviews all areas and stresses laboratory medicine in the health professions. 3 Lec.

432 Clinical Chemistry Practicum. (5) II, A. Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Diagnostic chemical procedures in an affiliated laboratory.

434 Clinical Microbiology Practicum. (4) I, II. Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses and BIO 520. Clinical bacteriology, parasitology, and mycology in an affiliated laboratory.

436 Lab Management Practicum. (1) I, II. Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Principles of managing a medical laboratory presented in an affiliated laboratory.

437 Clinical Laboratory Seminar. (3) I, II. Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Case studies, advanced procedures, and problem solving in the clinical laboratory.

438 Hematology Practicum. (4) I, A. Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Diagnostic blood morphology studies in an affiliated laboratory.

439 Urinalysis Practicum. (1) I, A. Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Diagnostic urine procedures in an affiliated laboratory.

440 Blood Bank Practicum. (2) II, A. Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Practical blood banking in an affiliated laboratory.

441 Immunology Practicum. (1) I, II, A. Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Practical immunology in an affiliated laboratory.

CLT—Clinical Laboratory Technology

201 Urinalysis. (1) I, II. Formerly MLT 201. Prerequisite: admission to CLT program or instructor approval. Clinical lab procedures used in the analysis of urine and other body fluids. 4 Lec/Lab.

202 Hematology. (3) II. Formerly MLT 202. Prerequisite: admission to CLT program. Clinical procedures used in hematology and coagulation. 4 Lec/Lab.

203 Clinical Chemistry. (3) I. Formerly MLT 203. Prerequisite: admission to CLT program. Clinical procedures used in clinical chemistry and parasitology. 4 Lec/Lab.

204 Immunology/Blood Banking. (2) I, II. Prerequisite: admission to CLT program or instructor approval. A study of the immune system, clinical serology, and blood banking and the lab techniques associated with each area. 4 Lec/Lab.

205 Practicum I. (7) I, II. Formerly MLT 205. Corequisite: CLT 206. Prerequisites: CLT 201, 202, 203, and 208. Administrative policies, hematology, serology, and blood banking in an affiliated hospital.

206 Practicum II. (6) I, II. Formerly MLT 206. Corequisite: CLT 205. Prerequisites: CLT 201, 202, 203, and 208. Clinical chemistry and microbiology in an affiliated hospital.

207 Technical Correlations. (2) I, II. Formerly MLT 207. Prerequisites: CLT 201, 202, and 203. Relationships among CLT topics. Stresses mastery of subdisciplines at technician level, clinical significance, and interpretation of lab requests. 2 Lec.

208 Clinical Techniques. (1) I, II. Formerly MLT 208. Prerequisite: admission to CLT program or instructor approval. Introduction to the laboratory including laboratory techniques, laboratory mathematics, safety, venipuncture, and spectrophotometry.

FOR CLT TRANSFER TO THE CLS PROGRAM

Substitutions may be made as follows:

CLT Curriculum Courses	CLS Curriculum Equivalents
BIO 276	BIO 320
CLT 202, 203, 204, or 207	CLS 201 and/or elective
CLT 205, 206	Reduced time in practicum by validation of performance objectives

Other courses in the CLT program are in the CLS curriculum. Students may also challenge CLS courses by departmental examination.

DEPARTMENT OF

ENVIRONMENTAL HEALTH SCIENCE

D. Hufford, Chair; Barnett, Creighton, Johnson.

The curriculum in environmental health science focuses on the physical, chemical, and biological factors which affect human health and well-being. Students are prepared at the bachelor's level for a variety of professional careers in environmental health. Employment opportunities are found in the areas of hazardous materials management, industrial food safety, toxicology health and safety, disease vector control, environmental program planning, food safety, toxicology, and other areas. Employment may be in public health agencies, environmental protection type agencies, government, private industry, insurance companies, consulting firms, and education. The student earns a Bachelor of Science degree in environmental health science. The program is fully accredited by the National Environmental Health Sciences and Protection Accreditation Council. The department also offers a minor in environmental health science.

OBJECTIVES

The environmental health science graduate is prepared to: (1) operate and administer programs in the various branches of environmental health including disease vector control, industrial hygiene, housing, water, wastewater, radiation protection, food service sanitation, solid waste management, and air pollution; (2) recommend appropriate environmental health programs and courses of action designed to meet the requirements in various industries, businesses, and agencies; (3) evaluate these environmental health programs with respect to the prevention of disease, injury, and preservation of health; (4) continue his/her education at the graduate level in both the academic and professional setting.

PROGRESSION CRITERIA

A student majoring or minoring in environmental health science must achieve a minimum grade of "C" in all EHS courses. A major course may usually be repeated only once.

Environmental Health Science

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 45 hours
EHS 280, 300, 335, 370, 380, 425, 460, and 463; plus 15 hours selected from EHS 290, 330, 340, 345, 349, 360, 395, 410, 440, 450, or 498.

Supporting Course Requirements ..... 36 hours
AGR 215, BIO 141, 211, 320, CHE 111, 112, ENG 300, HEA 450; MAT 107 or 109; and PHY 101.

General Education Requirements ..... 34 hours
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University Requirements.

University Requirements ..... 9 hours
ANO 100 and eight hours of restricted electives.

Free Electives ..... 4 hours

Total Curriculum Requirements ..... 128 hours

MINOR IN ENVIRONMENTAL HEALTH SCIENCE

A student may minor in environmental health science by completing, with a grade of "C" or better, EHS 280, 300, 370, and an additional nine hours selected from EHS courses with advisor approval for a minimum of 19 hours.

Course Descriptions

EHS—Environmental Health Science

280 Introduction to Environmental Health Science. (3) I, II. Elements of environmental health, including water and waste treatment, air pollution, food sanitation, vector control, solid waste disposal, and general sanitation problems.

290 Seminar in Environmental Health. (2) II. A. Prerequisite: instructor approval. Discussion and analysis of literature related to selected current environmental health problems.

300 Water Supplies and Waste Disposal. (4) II. Drinking water safety in both individual private systems and larger public systems. Maintenance of raw water quality. Water purification, delivery systems, and surveillance. Techniques for collection, treatment, and disposal of sewerage.

330 Environmental Control of Disease Vectors. (3) I. The identification and control of arthropods, arachnids, rodents, and other vectors of disease. Safe use of pesticides will also be discussed.

335 Hazardous and Solid Waste Management. (3) I. Prerequisites: CHE 111 and EHS 280; or instructor approval. Nature of toxic and hazardous wastes and methods for their disposal to protect health and the environment and to prevent contamination of groundwater. The environmental health and safety aspects of solid waste collection, treatment and disposal, and regulations governing waste management are also covered.

340 Industrial Hygiene. (3) I, II. Prerequisites: BIO 141, CHE 111, and EHS 280; or instructor approval. The impact of the workplace on safety and health, and methods for avoiding work-related illnesses. Emphasis will be on the evaluation and the control of the work environment to protect worker health.

345 Advanced Industrial Hygiene. (3) II. Prerequisite: EHS 340 or instructor approval. In-depth discussion of the chemical and physical hazards of the workplace and their evaluation and to provide hands-on experience in industrial hygiene sampling and analysis.

349 Cooperative-Environmental Health Science. (1-8) I, II, A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. A minimum of 80 hours work required for academic credit.

360 Air Pollution and Health. (4) I. Prerequisites: CHE 112, PHY 101, and EHS 280; or instructor approval. Health effects of air pollution, including a discussion of the primary sources of airborne pollutants, their transport and transformation, the control of air pollution, state and national standards.

370 Risk Assessment and Environmental Epidemiology. (3) I. Prerequisites: MAT 107 (or higher math) and EHS 280; or instructor approval. The use of data to define the health effects of exposed individuals or populations to hazardous materials and situations.

380 Food Hygiene. (3) I, II. Prerequisites: BIO 320, CHE 112, and EHS 280; or instructor approval. A study of the health effects of food and milkborne disease, including a discussion of milk and foods as vehicles of infection, essentials of milk and food quality, standards for dairy, milk, and food service equipment.

395 Environmental Problem Analysis. (3) II. Prerequisites: CHE 111, EHS 280, 335, 340, and MAT 107 or 109; or instructor approval. Application of the student's knowledge gained from technical course work to analyze environmental problems. Emphasis is on logically solving environmental health issues that the student can expect when working in the field.

410 Radiological Health. (3) II. A study of health effects of ionizing and non-ionizing radiation, including environmental radiation sources, detection, measurement, control, and safety devices.

425 Environmental Health Program Planning. (3) I. Administration, planning, implementation, and evaluation of environmental health programs. Discussion of resources and promotional techniques, and the role of the environmental health specialist dealing with community, state, and regional agencies.

440 Environmental and Industrial Toxicology. (3) II. Prerequisites: CHE 112 and EHS 280; or instructor approval. Health effects and nature of toxic substances with discussion of dose-response relationships, latency, target organs, and potential exposures in the environment.

450 Environmental Monitoring Instrumentation. (3) II. Prerequisites: CHE 112, EHS 300, and 335; or instructor approval. Instruction in trace analysis of environmental samples (air, water, hazardous wastes, food) utilizing gas chromatography, atomic absorption, and mass spectrometry. 2 Lec/3 Lab.

460 Housing and Institutional Environments. (3) II. Prerequisites: EHS 280, 300, and 370; or instructor approval. Discusses the requirements for healthful housing means of attaining and maintaining these requirements. Reviews environmental health concerns relating to day-care centers, schools, hospitals, nursing homes, and prisons. Describes surveillance, evaluative, and corrective methods.

463 Field Experience in Environmental Health. (8) I, II, A. Prerequisites: EHS 300, 335, 380, and departmental approval. Supervised and directed field experience in local, state, regional environmental health agencies, or with appropriate industries. Eight to twelve weeks full-time required depending on work place.

498 Independent Study in Environmental Health. (1-3) I, II, A. Prerequisite: Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Opportunity for individual work on an environmental health research problem in a supervised situation. May be retaken to a maximum of six hours credit.

DEPARTMENT OF
HEALTH INFORMATION

F. Hindsman, Chair; Andersen, Caldwell, Huston, Jackson.

The Department of Health Information offers a two-year associate degree health information technology program and two methods of progression toward a baccalaureate degree with a major in health information management. In the two-plus-two program, the student completes the two-year Associate of Science degree requirements for health information technology before taking the additional course requirements for the Bachelor of Science degree in health information management. In the four-year program, the student completes only those courses required for a Bachelor of Science degree in health information management.

The department also offers a coding certificate of completion and a post- baccalaureate certificate of completion in health information management.

ADMISSION/PROGRESSION CRITERIA

The Department of Health Information utilizes the regular admission policy of the University for students taking courses offered during the first semester of the program. In order to continue in the program and to enroll in HNF courses, the student must meet the following criteria: (1) maintain an overall GPA of 2.5 on a 4.0 scale and (2) complete all major and supporting courses with a minimum grade of "C" after a maximum of two attempts.

For transfer students and students who have changed majors within the University, GPA requirements are applied to the major and support courses accepted toward the declared major.

Major and support courses in the curriculum are those courses with the following prefixes: AHN, HNF, BIO, CHE, CIS, MGT, ACS, STA, and PSY.

Credits of students who transfer from another accredited educational institution will be evaluated against the current curriculum. Equivalent courses taken within another accredited medical record/health information program may be accepted if a minimum grade of "C" was earned. Courses taken within a nonaccredited program must be validated by a challenge examination before credit is awarded. An Accredited Record Technician (ART) may receive college credit for all AHN and HNF courses in the health information technology curriculum by passing the challenge exam for each of these courses. A maximum of four semester hours of credit may be earned by challenging HNF courses in the health information management curriculum. A student who is not an ART may earn credit for all AHN courses and two HNF courses in the health information technology curriculum by passing the challenge exam for these courses.

A student who is not allowed to continue in the program may appeal the decision by presenting the reasons in writing to the Chair of the Admissions and Progression Committee. The student may appeal this committee's decision to the College Admissions Committee by submitting a written request to the Dean of the College of Allied Health and Nursing. The decision of this committee shall be final.

DIRECTED PRACTICE AND MANAGEMENT PRACTICUM

During the technical phase of the curriculum, the student is required to spend approximately six weeks at a hospital or other health care facility for supervised practice in the technical aspects of medical record/health information practice. During the professional phase of the curriculum, the student is assigned for approximately eight weeks to two health care facilities for observation and practice of the management aspects of medical record/health information practice.

The University assumes full responsibility for making assignments to directed practice sites based on pre-determined criteria. Some directed practice sites may require health screening such as physical examinations and/or proof of immunizations. The student is responsible for these medical expenses and for living expenses and travel involved in relocation for these assignments.

FINANCIAL AID

In addition to the regular means of financial aid offered through the Financial Aid Office of Eastern Kentucky University, a student entering the final year of study in either health information management or health information technology has an additional option of applying to the Foundation of Record Education of the American Health Information Management Association for a low-

interest loan. Students who have completed the sophomore year in the health information management program are eligible to apply for the Smart Corporation Medical Record Endowed Scholarship. The Kentucky Health Information Management Association also offers annual scholarships to eligible students in the health information programs. Information is available in the Department of Health Information.

HEALTH INFORMATION MANAGEMENT PROGRAM

The health information management program is accredited by the Committee on Allied Health Education and Accreditation of the American Medical Association in collaboration with the Council on Education of the American Health Information Management Association. The graduate is eligible to write the national qualifying examination to become a Registered Record Administrator (RRA).

An RRA serves in an administrative capacity by managing health information systems in hospitals, skilled and intermediate care facilities, comprehensive health care centers, mental health centers, public health departments, governmental health agencies, veterinary institutions, prisons, and any other institutions or agencies that handle records of health care.

PROGRAM OBJECTIVES

The health information management graduate is prepared to: (1) manage a health information system to meet the needs of the institution; (2) provide leadership, direction, and structure to effectively supervise, counsel, and evaluate the human resources; (3) conduct in-service training programs for subordinates and other medical record/health information personnel; (4) establish procedures and design systems for collecting and processing health information on a manual or computerized basis; (5) develop and implement policies controlling the release of confidential information; (6) initiate research and prepare administrative and clinical statistical reports; (7) provide the medical staff with data needed to evaluate the quality of care; (8) develop and implement quality improvement/risk management procedures; and (9) provide consultant services to various types of health care information centers.

Health Information Management

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **52-67 hours**
- **Core** ..... **50 hours**
  AHN 100, 200, HNF 201, 203, 204, 305, 306, 314, 370, 401, 404, 405, 406, 407, 409, 410, 412, and 414.
- **Options**
  - **Two-Plus-Two Program** ..... **17 hours**
    HNF 202, 307, 308, 309, 312, and 332.
  - **Four-Year Program** ..... **2 hours**
    HNF 316.

Supporting Course Requirements ..... **32-35 hours**
- **Two-Plus-Two Program** ..... **35 hours**
  ACS 201, 280, BIO 171, 273, 301, CHE 105, CIS 212, MGT 300, 320, PSY 202, and STA 215.
- **Four-Year Program** ..... **32 hours**
  BIO 171, 273, 301, CHE 105, CIS 230, MAT 107, MGT 300, 320, SPE 100, and STA 270.

General Education Requirements ..... **34 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **1 hour**
ANO 100.

Free Electives (Four-Year Program Only) ..... **9 hours**

Total Curriculum Requirements (Two-Plus-Two Program) ..... **137 hours**

Total Curriculum Requirements (Four-Year Program) ..... **128 hours**

POST-BACCALAUREATE CERTIFICATE

Students who have earned a baccalaureate degree which includes the following courses may be eligible for enrollment for a post-baccalaureate certificate of completion: anatomy and physiology with lab, medical terminology, basic management, basic statistics, and an introductory computer course.

Major Requirements ..... **48 hours**
AHN 100, HNF 201, 203, 305, 306, 314, 316, 370, 401, 404, 405, 406, 407, 409, 410, 412, and 414.

Total Curriculum Requirements ..... **48 hours**

HEALTH INFORMATION TECHNOLOGY PROGRAM

The health information technology curriculum is designed to prepare students for employment in medical record/health information departments in various types of health care facilities.

This two-year program is accredited by the Committee on Allied Health Education and Accreditation of the American Medical Association in collaboration with the Council on Education of the American Health Information Management Association. The graduate is eligible to write the national qualifying examination to become an Accredited Record Technician (ART).

An ART serves as a specially trained assistant to Registered Record Administrators, carrying out the many technical activities within a medical record/health information department of health care facilities and agencies.

PROGRAM OBJECTIVES

The health information technology graduate is prepared to: (1) organize, analyze, and evaluate health records according to established standards; (2) compile and utilize various types of administrative and health statistics; (3) code symptoms, diseases, procedures, and other therapies according to recognized classification systems; (4) maintain and utilize a variety of medical record indexes, storage, and retrieval systems; (5) transcribe medical reports; (6) prepare health data input for computer processing, storage, and retrieval; (7) take medical records to court and maintain the flow of health information to all departments in the health care facility; (8) maintain special registries, such as cancer, trauma, and stroke; (9) abstract and retrieve health information used for evaluation and planning in health-related programs; and (10) implement policies controlling the release of confidential information.

Health Information Technology
ASSOCIATE OF SCIENCE

Major Requirements ..... **38 hours**
AHN 100, 200, HNF 201, 202, 203, 204, 305, 306, 307, 308, 309, 312, 314, and 332.
Supporting Course Requirements ..... **12 hours**
BIO 171*, 301*, CIS 212, and ACS 280.
General Education Requirements ..... **15 hours**
ANO 100, HPR 180*, 282*, three hours general education humanities*, three hours general education social studies*, and six hours of English composition*.
Total Curriculum Requirements ..... **65 hours**

CODING CERTIFICATE

Major Requirements ..... **15 hours**
AHN 200, HNF 201, 203, 306, and 314.
Supporting Course Requirements ..... **6 hours**
BIO 171 and 301.
Total Curriculum Requirements ..... **21 hours**

Course Descriptions
HNF—Health Information

201 Introduction to Health Information. (3) I, II. Formerly MRS 201. Prerequisite or Corequisite: AHN 200. Medical record content, development of the health information profession and practice in techniques relative to completion of birth and death certificates, chart assembly, and medical record filing and retention methods. 4 Lec/Lab.

202 Health Information Processing. (3) I, II. Formerly MRS 202. Prerequisites: HNF 201 and 203. Prerequisite or Corequisite: CIS 230. Manual and automated processing of health information. 4 Lec/Lab.

203 Fundamentals of Medical Science. (4) I, II. Formerly MRS 203. Prerequisites: AHN 200, BIO 171, and 301. An introduction to the study of disease—its causes, symptoms, and treatment. 5 Lec/Lab.

204 Medical Record Technical Practice I. (1) I, II. Formerly MRS 204. Prerequisite: HNF 201. Supervised practice in the technical aspects of medical records within local and area health care facilities off-campus.

305 Health Information Standards. (2) I, II. Formerly MRS 305. Prerequisites: HNF 201 and 203. Prerequisite or Corequisite: HNF 204. Methods of maintaining licensure, certification, and accreditation standards relative to medical record documentation and health information management.

306 Medical Nosology. (3) I, II. Formerly MRS 306. Prerequisite: HNF 203 or instructor approval. Coding and classification of symptoms, diseases, operations, and procedures according to ICD-9-CM. Manual and computerized coding of hospital records and DRG assignment. 4 Lec/Lab.

307 Medical Record Statistics. (2) I, II. Formerly MRS 307. Prerequisite: HNF 305 or instructor approval. Computation and display of medical statistical data for administrative use, health care planning, and medical research. Blocked during the first half of the semester.

308 Specialized Health Records and Registries. (2) I, II. Formerly MRS 308. Prerequisite: HNF 305. Maintenance of health records in non-hospital health care facilities; organization, functions, and procedures of specialized registries; and medical staff organization and functions. Blocked during the first half of the semester.

309 Utilization of Health Information. (2) I, II. Formerly MRS 309. Prerequisite: HNF 305. Introduction to quality improvement, utilization review, and prospective payment systems. Blocked during the first half of the semester.

312 Medical Record Technical Practice II. (6) I, II. Formerly MRS 312. Prerequisite: instructor approval. Internship assignment to hospital medical record/health information departments for observation and practice of technical medical record functions. Blocked during the second half of the semester.

314 Advanced Medical Nosology. (2) I, II. Formerly MRS 314. Prerequisite: HNF 306 or instructor approval. HCPCS and DSM coding principles and problems. Coding for reimbursement. Assignment and validation of ICD-9-CM codes for advanced coding problems. Blocked during the first half of the semester. 3 Lec/Lab.

316 Medical Record Technical Practice III. (2) I, II. Prerequisite: HNF 306. Prerequisites or Corequisites: HNF 314 and 401. Assignment to hospital medical record departments for observation and practice of certain technical medical record functions (designed primarily for four year baccalaureate and post-baccalaureate students). Blocked during the second half of the semester.

332 Legal Principles for Health Care Professionals. (2) I, II. Formerly AHN 332. Basic aspects of law and its implications for health care, including professional liability, confidentiality, consents and authorizations, and contemporary issues.

370 Computerized Health Information Processing. (3) I, II. Formerly MRS 370. Prerequisite: instructor approval. Health information systems, systems analysis, and practical applications of microcomputers.

401 Legal Issues in Health Care. (3) II. Formerly MRS 401. Prerequisite: HNF 305 or instructor approval. Legal status, documentation requirements, and liability related to medical records and health care issues.

404 Health Information Consulting and In-service. (3) I. Formerly MRS 404. Prerequisites: HNF 409 and 312 or 316. Planning, implementing, and evaluating health information consultation services and in-service education programs.

405 Special Topics in Disease Management. (2) II. Formerly MRS 405. Prerequisite: final semester in baccalaureate program. A discussion of selected diseases of the major body systems from various perspectives, including clinical, ethical, economical, public health, and the MRA role. Blocked during first half of the semester.

406 Health Care Quality Management. (3) I. Formerly MRS 406. Prerequisites: HNF 409 and 312 or 316. A study of total quality management, utilization review, and risk management functions in a health care setting.

407 Health Information Management. (3) I. Formerly MRS 407. Prerequisites: MGT 320, HNF 409, and 312 or 316. Application of management principles to the administration of hospital medical record/health information departments.

409 Health Information Research Methods. (3) I. Formerly MRS 409. Prerequisites: approved statistics course. Prerequisite or Corequisite: HNF 370. Introduction to the process of research, related terminology and statistical techniques, significance to health care, critique of published research articles, and development of a protocol. Review of hospital statistics and uses.

410 Advanced Health Information Management. (2) II. Formerly MRS 410. Prerequisite: final semester in B.S. program or instructor approval. Discussion of trends, updates, and practical problems related to health information management. Blocked during the first half of the semester.

412 Health Information Management Practicum. (6) II. Formerly MRS 412. Prerequisite: final semester in B.S. program. Corequisite: HNF 414. Internship assignment to hospital medical record/health information departments for observation and practice of management functions. Blocked during the second half of the semester.

414 Seminar in Health Information Management. (1) II. Formerly MRS 414. Corequisite: HNF 412. Review and discussion of health information management theory and in practice.

498 Independent Study in Health Information. (1-6) A. Formerly MRS 498. Prerequisite: Student must have the independent study proposal approved by faculty supervisor and department chair prior to enrollment. Directed study or research on an issue or area of interest to the health information profession. May be retaken to a maximum of six hours.

DEPARTMENT OF
MEDICAL SERVICES TECHNOLOGY

, Chair; Blakeney, Brekken, Brown, Byers, Cremeens, Grunow, Newsome, Renfro, Sowash.

EMERGENCY MEDICAL CARE

The emergency medical technician-paramedic (EMT-P) primarily provides pre-hospital emergency care to acutely ill or injured patients by ambulance service and mobile advanced life support units under medical command authority, and secondarily, in other appropriate settings which are under physician control. The curriculum is designed to provide the student with the theoretical and practical aspects of emergency medical procedures in the pre-hospital setting.

The program is accredited by the American Medical Association Committee on Allied Health Education and Accreditation in conjunction with the Joint Review Committee on Educational Programs for the EMT-Paramedic.

OBJECTIVES

Upon completion of the program, the graduate is expected to have competency in: (1) recognizing a medical emergency; assessing the situation; managing emergency care, and if needed,

extrication; coordinating efforts with those of other agencies and establishing rapport with the patient and significant others to decrease their state of crisis; (2) assigning priorities of emergency treatment and communicating data to the designated medical command authority;
(3) initiating and continuing emergency medical care under medical control; and assessing the response of the patient to that treatment and modifying medical therapy as the situation changes and at the direction of a physician or other authorized personnel; (4) exercising personal judgment in case of interruption in medical direction caused by communication failure or in cases of immediate life-threatening conditions; (5) directing and coordinating the transport of the patient by selecting the best available method(s) in conjunction with medical command authority; (6) recording in writing or dictation the details related to the patient's emergency care and the incident; and (7) directing the maintenance and preparation of emergency care equipment and supplies.

ADMISSION PROCEDURE

Students who have been admitted to the University and College of Allied Health and Nursing and who declare their major as emergency medical care are admitted to the pre-emergency medical care program. Admission to the pre-emergency medical care program does not guarantee admission to the advanced emergency medical care (paramedic) program.

ADMISSION REQUIREMENTS

Pre-emergency medical care students are accepted each semester. Students will be selected for admission into the advanced emergency medical care program which begins once a year in the fall semester. Selection is in order of priority on the basis of highest cumulative grade point average and the criteria listed below. Due to limited enrollment, students are advised to apply as early as possible.

ADVANCED EMERGENCY MEDICAL CARE (PARAMEDIC) ADDITIONAL REQUIREMENTS

1. Students must be currently certified by the Kentucky Cabinet for Human Resources as an Emergency Medical Technician (EMT) and have evidence of American Heart Association CPR for the health care provider.
2. Students must submit a completed physical examination form upon entrance and completion of the program. These forms are provided by the program. The physical examination must be performed by a physician licensed to practice medicine as approved by the medical advisor.
3. Students must successfully complete a written entrance examination administered by the program.
4. Students must have a minimum grade of "C" in all emergency medical care courses, plus AHN 240, BIO 171, and BIO 301.
5. Students must have a minimum cumulative grade point average of 2.0 on a 4.0 scale.

STUDENT LIABILITY INSURANCE

Students must purchase and maintain the college student liability insurance prior to enrollment in EMC 110, 115, 212, 270, 275, 280, 342, 352, and 362.

Emergency Medical Care

ASSOCIATE OF SCIENCE

Major Requirements ..... **38 hours**
EMC 110, 115, 200, 205, 212, 215, 225, 310, 320, 335, 340, 342, 352, and 362.
Supporting Course Requirements ..... **3 hours**
AHN 240.
General Education Requirements ..... **23 hours**
ANO 100, BIO 171*, 301*, three hours general education humanities*, three hours general education social science*, four hours of restricted electives*, and six hours of English composition*.
Total Curriculum Requirements ..... **64 hours**

ADVANCED EMERGENCY MEDICAL CARE, CERTIFICATE

Major Requirements ..... **22 hours**
EMC 130, 270, 275, 280, and 310.
Total Curriculum Requirements ..... **22 hours**

MINOR IN EMERGENCY MEDICAL CARE

A student may minor in emergency medical care by completing EMC 110, 115, 200, and nine hours of AHN or EMC courses approved by the Department of Medical Services Technology.

Course Descriptions

EMC—Emergency Medical Care

102 First Response Emergency Care. (3) I, II, A. Initial emergency medical care techniques adhere to U.S. Department of Transportation curriculum for First Responder. Cardiopulmonary resuscitation (CPR) required for course completion. Credit will not be awarded to students who have credit for HEA 202 or HEA 203. 2 Lec/2 Lab.

110 Introduction to Emergency Medical Care. (5) I, II, A. Basic life support concepts and skills for the entry level Emergency Medical Technician (EMT) adhere to the U.S. Department of Transportation standards and curriculum. Credit will not be awarded to students who have credit for FSE 301. 3 Lec/3 Lab.

115 Basic Clinical/Field Experience. (3) I, II, A. Prerequisite: EMC 110. A minimum of 144 supervised contact hours in hospital emergency department and with assigned ambulance provider for application of basic life support concepts and skills.

130 Human Systems for Assessment. (3) A. Overview of human body and its systems as applied to rapid patient assessment and problem identification. Limited to certified paramedic students only.

200 Introduction To Prehospital Advanced Life Support. (2) II, A. Prerequisite or Corequisite: EMC 115 or departmental approval. Role and responsibilities of EMT-Paramedic, components of EMS systems, medical/legal considerations, and communications in advanced and basic life support settings.

205 Prehospital Management of OB/GYN Emergencies. (1) I, A. Prerequisite: EMC 110 or departmental approval. Pathophysiology and advanced level prehospital management of antepartum, parturition, postpartum, and gynecological emergencies. Assessment, care, and transportation of the neonate.

210 Vehicle Rescue. (3) I, II, A. Access, medical stabilization, and removal of victims from vehicle wreckage. Roles and responsibilities of rescue team members and supervisors. 2 Lec/2 Lab.

212 Crash Victim Auto Extrication. (1) I, A. Prerequisite or Corequisite: EMC 110 or departmental approval. Survey of vehicle extrication procedures for emergency medical personnel. Adheres to U.S. Department of Transportation content and objectives. 1 Lec/1 Lab.

215 Prehospital Management of Behavioral Emergencies. (1) I, A. Prerequisite: EMC 110 or departmental approval. Concepts and management of emotional and psychological emergencies applied to prehospital crisis intervention.

225 Introduction to Pharmacology. (3) I, II, A. Introduction to classification, nature, and uses of medications. Pharmacological agents utilized in prehospital health care setting emphasized.

270 EMTP: Theory/Practicum I. (6) A. Formerly EMC 302. Prerequisites: EMC 130 and departmental approval. Introduction to prehospital advanced life support delivery systems, medical-legal implications, and prehospital environment. Preparatory theoretical foundation with advanced life support skills progressing to application in hospital clinical settings. Pathophysiology and management of respiratory medical emergencies.

275 EMTP: Theory/Practicum II. (6) A. Formerly EMC 304. Prerequisite: EMC 270. Continued patient skills development through hospital assignments with emphasis on emergent medical etiologies involving cardiovascular, endocrine, CNS, gastrointestinal, anaphylaxis, toxicology, infectious diseases, environmental exposure, and obstetrics. Emergencies of special populations include gerontology and pediatrics.

280 EMTP: Theory/Practicum III. (6) A. Formerly EMC 306. Prerequisite: EMC 275. Corequisite: EMC 310. Theory and hospital clinical focus on management of mass casualty including vehicular extrication techniques. Final synthesis of theory and practice through minimum of 500 hours field internship with ALS ambulance as assigned by the department.

300 Mobile Intensive Care Field Experience. (1-3) A. Prerequisites or Corequisite: EMC 362 and instructor approval. Participation on a less dependent basis with an advanced life support ambulance. An independent project is required. Successful completion is based upon evaluation by the program medical advisor. May be retaken to a maximum of six hours.

303 Advanced Rescue Procedures. (3) A. Procedures of assessment of emergency scene, use of various rescue tools for extrication of patient, removal and transfer to emergency care facility.

310 Advanced Cardiac Life Support. (1) A. Prerequisites: AHN 240, EMC 225, and 335; or departmental approval. Management of cardiac resuscitation adhering to cognitive and performance standards of the American Heart Association. AHA ACLS Provider evidence of course completion available. 1 Lec/1 Lab.

315 Pediatric Advance Life Support. (1) A. Assessment, recognition, and intervention for infant or child with cardiopulmonary arrest or shock. Adheres to American Heart Association and Academy of Pediatrics cognitive and performance standards. AHA PALS Provider evidence of course completion available.

320 Advanced Life Support: Trauma. (3) II, A. Prerequisites: AHN 240, BIO 171, 301, EMC 115, and 200; or departmental approval. Prehospital management of complex patients with multiple systems failure secondary to trauma related pathologies.

335 Advanced Life Support: Medical Emergencies I. (3) I, A. Prerequisites: AHN 240, BIO 171, 301, EMC 115, 225, and department approval. Pathophysiology and advanced level prehospital management of emergencies of the respiratory, cardiovascular, endocrine, nervous, gastrointestinal, genitourinary, and reproductive systems.

340 Advanced Life Support: Medical Emergencies II. (3) II, A. Prerequisite: EMC 335. Pathophysiology and advanced level prehospital management of emergencies involving anaphylaxis, toxicology, alcoholism, drug abuse, infectious diseases, environmental hazards, and pediatric and geriatric patients.

342 Advanced Clinical I. (3) I, A. Corequisite: EMC 335. Integration of basic and advanced life support concepts and psychomotor skills in patient care situations developed through supervised assignments in various hospital settings.

352 Advanced Clinical II. (3) II, A. Prerequisite: EMC 342. Corequisites: EMC 320 and 340. Hospital assignments allow continued development and application of cognitive and psychomotor skills in critical situations. Autonomous decision-making skills developed under supervision through increased participation in patient care.

362 Mobile Intensive Care Internship. (6) A. Prerequisites: EMC 205, 212, 215, 310, 320, and 352. A minimum of 500 hours supervised experience on intensive care vehicle provides progression of responsibilities from observation through working as team member.

380 Advanced Prehospital Theory Medical. (4) A. Prerequisites: Kentucky Certified EMT-Paramedic and admission to EMC major. Foundation course for paramedic students which focuses on pathophysiological basis for prehospital interventions and management. Includes in-depth history and assessment skills.

382 Advanced Prehospital Theory: Trauma. (4) A. Prerequisites: Kentucky Certified EMT-Paramedic and admission to EMC major. Foundation course for paramedic students which focuses on pathophysiological basis for prehospital interventions and management in trauma settings. Includes in-depth history and assessment skills.

MEDICAL ASSISTING TECHNOLOGY

The medical assisting technology program was established in response to the need for skilled individuals to serve as members of the primary health care team in providing optimal health care to people in the community. The medical assisting technology program, which leads to an Associate of Science degree, enables interested individuals to acquire a basic understanding of the health sciences and an appreciation of human dignity.

The medical assisting technology program is accredited by the Committee on Allied Health Education and Accreditation and the American Medical Association in collaboration with the American Association of Medical Assistants. Graduates of the program are eligible to take the certification examination administered by the American Association of Medical Assistants.

Students develop primary health care skills in diagnostic tests and measurements, therapeutic procedures, and medical office practices. The curriculum combines both general and specialized education in the administrative and clinical areas of medical assisting. Instruction includes both formal class work and directed practical experience in hospitals, clinical laboratories, physicians' offices, health departments, urgent treatment centers, and other health care settings. The course of study may be completed in four semesters plus an intersession.

OPTIONAL EMPHASIS

Students taking the medical assisting curriculum may elect to add an emphasis in pediatrics or obstetrics/gynecology. In addition to the skills of medical assisting, the pediatric emphasis offers specialized preparation in the care of children. The obstetrics/gynecology emphasis offers specialized preparation in the care of pregnant women and women with gynecological disorders. The additional skills and knowledge gained through either emphasis will give the graduate more job versatility in the specialist's office.

Pediatric Emphasis (optional).....9 hours
CDF 241, 342, and MAS 222.
Obstetric/Gynecology Emphasis (optional) .....6 hours
CDF 241 and MAS 223.

PROGRAM OBJECTIVES

The graduate of the medical assisting program is expected to: (1) utilize knowledge acquired from the curriculum to perform administrative and clinical skills in the physician's office; (2) apply knowledge of human development and behavior to communicate effectively with patients, their families, and health workers; (3) assume ethical and legal responsibility for medical assisting practices; (4) utilize theory and skills to provide patient education; (5) serve as a liaison between the physician and the patient; and (6) accept the responsibility for continuing growth as a person and professional.

The first three-and-one-half semesters are spent on-campus in the classrooms and laboratories. The department has several well-equipped laboratories which permit the student to receive valuable practical simulated experience in primary health care skills. In the second half of the fourth semester, the student receives practical experiences in hospital operating rooms, emergency rooms, and laboratories. The final intersession consist of an externship (MAS 225) during which the student spends five days a week working in physicians' offices.

Following completion of the medical assisting technology Associate of Science degree, students can increase their knowledge and skills by obtaining a four-year degree. There are several related disciplines by which this can be accomplished. Two of the four-year programs which are complimentary to medical assisting are community health and health care administration.

Students desiring to transfer from CAHEA/AMA/AAMA accredited medical assisting programs may receive credit by examination for specific medical assisting courses.

ADMISSION REQUIREMENTS AND PROCEDURES

Two classes are admitted annually, one in the fall semester and one in the spring semester. Admission to the medical assisting technology program is contingent upon enrollment in Eastern Kentucky University. Enrollment is limited. Applications are accepted according to the dates they are received by the Admissions Coordinator.

1. Apply for admission to the University through the Office of Admissions.
2. An application form for the College of Allied Health and Nursing, medical assisting technology program, will be sent to the student following acceptance to the University.
3. This application and a college health history form must be completed and returned to the admissions coordinator of the College of Allied Health and Nursing. Immunizations must be current.
4. Results of a rubella titre and tuberculin skin test or chest x-ray must be submitted to the program prior to completion of MAS 111.

STUDENT LIABILITY INSURANCE

Students must purchase and maintain the college student liability insurance prior to enrollment in MAS 100, 111, 112, 220, 221, and 225.

Medical Assisting Technology

ASSOCIATE OF SCIENCE

Major Requirements ..... **30 hours**
MAS 100, 111, 112, 220, 221, 225, 233, and 240.
Supporting Course Requirements ..... **21 hours**
ACS 200, AHN 200, 201, 239, EMC 102, HNF 332, MAS 320, and NFA 201.
General Education Requirements ..... **20 hours**
ANO 100, BIO 171*, 301*, HPR 180* or 282*, three hours general education humanities*, three hours general education social science*, and six hours of English composition*.
Total Curriculum Requirements ..... **71 hours**

MEDICAL ADMINISTRATIVE CERTIFICATE PROGRAM

Major Requirements ..... **19 hours**
ACS 290, AHN 200 and 201, MAS 100, 233, and 240.
Total Curriculum Requirements ..... **19 hours**

Course Descriptions

MAS—Medical Assisting Technology

100 Introduction to Medical Assisting. (3) I, II. Medical assisting administrative and clinical responsibilities, human relations, communication skills, professional ethics, and law in health care.

111 Medical Assisting Laboratory Procedures I. (3) I, II, A. Prerequisite: minimum GPA of 2.0. Prerequisite or Corequisite: MAS 100. Corequisite: MAS 112. Clinical procedures emphasizing quality control, specimen collection, urinalysis, and hematology. 2 Lec/2 Lab.

112 Medical Assisting Techniques I. (3) I, II, A. Prerequisite or Corequisite: MAS 100. Corequisite: MAS 111. Introduction to clinical skills performed in medical offices with emphasis on asepsis, health history, physical examinations and assessment, vital signs, drug administration, infection control, catheterization, and related pathological and physiological conditions. 2 Lec/2 Lab.

220 Medical Assisting Laboratory Procedures I, II. (5) I, A. Prerequisite: MAS 111. Corequisite: MAS 221. Level II clinical skills in urinalysis, hematology, diagnostic and screening tests, clinical chemistry, microbiology, and limited physiotherapy. Selected off-campus experience required. 2 Lec/8 Lab.

221 Medical Assisting Techniques II. (5) I, II, A. Prerequisite: MAS 112. Corequisite: MAS 220. Level II therapeutic skills including physical assessment, medical history, drug administration, and surgical procedures. Common diseases and conditions and related diagnostic procedures and treatments. Selected clinical experiences required. 2 Lec/8 Lab.

222 Child Health Care. (3) A. Growth and development, the child as a family member, physical assessment, infectious disease and immunization procedures, acute and chronic childhood conditions, with emphasis on treatments and procedures performed in the medical office.

223 The Obstetrical and Gynecological Patient. (3) A. Obstetrical and gynecological management, human reproduction and development, pregnancy, labor and delivery, characteristics of the normal newborn, obstetric complications and common gynecological conditions with emphasis on treatments and procedures performed in the medical office.

225 Medical Office Externship. (4) II, A. Prerequisites: MAS 220, 221, 233, and 240. Supervised practice in physicians' offices, clinics, and health agencies. 2 Lec/16 Lab.

233 Medical Office Administration. (4) I, II, A. Prerequisites: AHN 200, MAS 100, ACS 290, and minimum typing speed of 40 wpm. Knowledge and skills in medical office communication, patient records, medical transcription, and health insurance as related to the operation and management of the medical office. 3 Lec/4 Lab.

240 Medical Office Management. (3) I, II, A. An introduction to the basic accounting principles pertaining to a medical office and the application of these skills in various situations.

320 Medical Office Pharmacology. (3) I, A. Prerequisite or Corequisite: MAS 112 or 221 or instructor approval. Drug administration and pharmacology for the medical assistant. Content includes drug calculation, medication administration, legal principles, and specific drug classifications.

DEPARTMENT OF ASSOCIATE DEGREE NURSING

P. Jarczewski, Chair; Bradford, Brown-Davis, Dobner, Edens, Gaffney, Jinks, Luy, Melton-Freeman, Paul, Paxson, Powell, Rapp, Rogers, Schmitke, Slusher, Tudor, Whitaker, Wisenbaker, Wooton, Yang, Yonts.

The Department of Associate Degree Nursing, established in 1965, is approved by the Kentucky Board of Nursing and accredited by the National League for Nursing. Upon completion of the program, the graduate is eligible to apply to take the examination for licensure as a registered nurse and practice in staff level registered nurse positions in a variety of clinical settings.

The associate degree nursing program has a strong theoretical and clinical base for the learning experiences of the program. Many health facilities are utilized by the program for clinical experiences; students are expected to provide their own transportation to the clinical agencies. The practice of Associate Degree Nursing includes the provision of direct care to clients experiencing acute or chronic illness.

PROGRAM OBJECTIVES

Upon completion of the program, the graduate can be expected to: (1) utilize the nursing process as a basis for providing health regimen for clients within a structured health setting; (2) use communication skills effectively to interact with clients, family, and other members of the health team; (3) utilize teaching/learning principles when providing health information to clients and significant others; (4) manage health care for clients within a structured setting; (5) evaluate responsibility, whether delegated or assumed, in terms of accountability; and (6) continue those pursuits which result in growth, personally, professionally, and as a member of the community.

ADMISSION REQUIREMENTS AND PROCEDURES

Students are CONSIDERED for admission after having been admitted to the University. Department applications are available through the Office of the Admissions Coordinator, College of Allied Health and Nursing. Those students admitted to the University who are proficient in reading, math, and writing will be considered for admission to associate degree nursing, while all others will be considered on an individual basis by a departmental admissions committee. Specifically, the departmental admissions committee will assess an applicant on the basis of high school GPA, ACT scores, college GPA, and proficiency in reading, math, and writing per University requirements. Applications are considered for the fall semester (received by March 1), or until the class is filled, and for the spring semester (received by October 1), or until the class is filled.

Nursing

ASSOCIATE OF SCIENCE IN NURSING

Major Requirements ..... **34 hours**
NUR 115, 125, 235, 245, and 255.
Supporting Course Requirements ..... **24 hours**
BIO 171*, 273*, 301*, 378*, CHE 105*, NFA 201, PSY 202, and SOC 131*.

General Education Requirements ..... 10 hours
ANO 100, three hours general education humanities*, and six hours of English composition*.
Total Curriculum Requirements ..... 68 hours

Course Descriptions

NUR—Nursing

115 Nursing Concepts I. (6) I, II. The nursing process is utilized to assist holistic man to meet basic needs throughout the life cycle. Extensive laboratory and clinical experiences provide opportunities to develop in the roles of a nurse.

125 Nursing Concepts II. (6) I, II. Prerequisite: NUR 115. Builds on concepts and skills from NUR 115 with application to clients from the beginning of the life cycle through death. Enables progression in application of nursing process caring for one or two clients experiencing common stressors.

235 Nursing Problems I. (10) I, II. Prerequisite: NUR 125. Develops competency in the application of the nursing process for clients experiencing interferences with ingestion, elimination, patterns of coping, normal cell proliferation and the integument. Selected clinical experiences of adult and child client utilized.

245 Nursing Problems II. (10) I, II. Prerequisite: NUR 235. Develops competency in the application of the nursing process while caring for one or more clients experiencing common illnesses which interfere with oxygenation, musculoskeletal, regulatory, and neurosensory function. Selected clinical experiences utilized.

255 Trends and Issues in Nursing. (2) I, II. Prerequisite: NUR 235. Ethical, legal, and professional responsibilities and career opportunities are stressed with historical events in nursing interwoven.

265 Independent Study. (1-6) A. Directed study on an issue or area of interest to nursing. May be retaken to a maximum of six hours credit.

DEPARTMENT OF

BACCALAUREATE NURSING

D. Whitehouse, Chair; Abrams, Baugh, Begley, Brashear, Demaree, Denham, Fister, Hall, Hart, Hunter, Kelley, McClure, McDowell, McGill, McNaughton, Moore, Murray, Pfotenhauer, Schlomann, Short, Walko, Waters, Widener, Woods, Wray.

The Department of Baccalaureate Nursing is approved by the Kentucky Board of Nursing and accredited by the National League for Nursing.

The nursing program leading to a baccalaureate degree is four years long. General education in the sciences and liberal arts provides the basis for and is correlated with the major in nursing. More than half of the collegiate program is devoted to a combination of physical, biological and social sciences, and humanities as deemed essential to the preparation of the professional nurse. The nursing component is composed of the instruction in nursing theory and the application of nursing theory in the clinical setting under the guidance of nursing faculty. Thus, nursing is learned through a combination of formal classroom instruction and supervised experiences in hospitals, clinical agencies, and a variety of community agencies. The nursing program prepares the individual to function as a generalist and lays the foundation for graduate study in clinical specialties, research, teaching, supervision, and/or administration. Graduates of the program earn a baccalaureate degree in nursing (BSN) and are eligible to write the national licensure examination. Graduates of the program who successfully write the state board examination are licensed to practice as registered nurses.

The baccalaureate nursing program is based upon the belief that preparation for professional nursing encompasses a broad, liberal, general, and professional education. Within the framework of Eastern Kentucky University and the College of Allied Health and Nursing, the Department of Baccalaureate Nursing attempts to provide opportunities for the individual to act independently, to think creatively, to communicate effectively, and to serve with enlightenment and imagination. Eastern Kentucky University is located within the foothills of the Appalachian Mountains. Recognizing the influence of culture on health and learning, the department deliberately capitalizes on the location of the institution in its approach to education.

The Department of Baccalaureate Nursing aims to: (1) provide the individual with a broad-based education; (2) prepare professional nurses capable of functioning effectively in varied settings; (3) prepare professional nurses capable of functioning effectively in future emerging roles; (4) instill within the individual a sense of responsibility for continued personal and professional growth; (5) prepare leaders within the profession and society as a whole; and (6) provide the foundation for graduate study in nursing.

The curriculum is organized around a core of general education, selected supporting courses, and nursing components designed to provide a foundation upon which nursing behaviors are developed. In achieving the program goals, students practice in a variety of settings and utilize the nursing process by drawing on the knowledge of relevant concepts from the biological, physical, social, and nursing sciences.

PROGRAM OBJECTIVES

Upon completion of the baccalaureate program, the graduate will be able to: (1) use the nursing process in a variety of settings with all clients; (2) alter internal and external environments to promote health; (3) make decisions relating to the utilization and implementation of research; (4) influence the quality of health care in professional and sociopolitical arenas; (5) apply teaching/learning principles in improving health care for a variety of populations; (6) influence the emerging roles of professional nursing; (7) promote the ethical and legal practice or professional nursing; and (8) practice goal directed communication to establish and maintain professional relationships.

ADMISSION REQUIREMENTS AND PROCEDURES

Admission to the Baccalaureate Nursing Program

All students who are accepted by Eastern Kentucky University's Admissions Office and declare their major as baccalaureate nursing (four-year nursing) are admitted to the University as pre-baccalaureate nursing majors. However, admission to the freshman year does not guarantee admission to the laboratory nursing courses. Students seeking to enter the NSC 281 must meet minimum program GPA requirements of 2.5 or have department chair approval. To be admitted to the clinical nursing courses, students must have completed the first three semesters of college work as outlined in the curriculum plan. All prerequisite courses must be completed with a grade of "C" or better, and a minimum cumulative GPA of 2.5 on a 4.0 scale must be obtained.

In addition to the academic criteria required for admission, the student must meet the standards written into the State of Kentucky Nurse Practice Act. Specifically, the Nurse Practice Act requires that each student be of good moral and ethical character, good mental and physical health, and be academically qualified to fulfill the role and responsibilities of a person licensed to practice as a professional nurse.

Transfers from Other Colleges and Universities

Transfer students must submit copies of all transcripts along with their application to the program. These transcripts will be considered a part of the application process and are necessary to determine admission and placement.

Students wishing to transfer nursing courses from another accredited institution must have a minimum of a "C" in any nursing course to be transferred. In addition, the applicant must submit complete course outlines and/or syllabi. This material should be submitted well in advance of expected matriculation in order to provide time for necessary evaluation.

PLAN FOR REGISTERED NURSES

The Department of Baccalaureate Nursing offers the opportunity to registered nurses to complete the course of study leading to the Bachelor of Science in nursing degree. Academic credits earned at other accredited colleges or universities are transferable upon approval of the appropriate department at Eastern Kentucky University. Official transcripts are to be submitted by the student to the Office of the Registrar. Credits more than eight years old must be approved. Registered nurse students are required to take NSC 375 but are permitted to challenge 33 hours of selected nursing and allied health courses.

Nursing

AREA MAJOR (BACHELOR OF SCIENCE IN NURSING)

Major Requirements.....54 hours
NSC 280, 281, 282, 283, 293, 382, 383, 393, 394, 482, 490, 493, 494, and 495.

Supporting Course Requirements.....39 hours
AHN 330; ANT 331 or SOC 400; BIO 171, 273, 301, CHE 105, 106, NFA 201, PSY 202, 280, SOC 131, and 245.

General Education Requirements .....29 hours
Standard General Education program, excluding course categories 09, 13, 14, 15, 16, and 19. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements .....9 hours
ANO 100 and eight hours of restricted electives.

Total Curriculum Requirements .....131 hours

Specific Degree Requirements for Bachelor of Science in Nursing

In addition to the general requirements for the baccalaureate degree, students must earn a minimum grade of "C" (2.0) in all nursing and supporting courses.

Course Descriptions

NSC—Nursing

280 Introduction to Professional Nursing. (3) I, II. Prerequisite: sophomore standing or instructor approval. Introduction of selected concepts and constructs which form the foundation upon which professional nursing is based.

281 Fundamental Skills in Nursing. (2) I, II. Prerequisites: taken in semester immediately prior to expected enrollment in NSC 293 and students must meet minimum program GPA requirements of 2.5 or department chair approval. Lab course focuses on clinical techniques integral to nursing practice; competency-based approach for selected nursing techniques. Integrates knowledge from behavioral, social, physical, biological, and nursing sciences.

282 Nursing and the Interactive Process. (2) I, II. Prerequisite: sophomore standing or instructor approval. Emphasis on knowledge of self, other individuals and groups, and the dynamics of interaction as a means to establish, maintain, and alter relationships. Beginning concepts of change and teaching-learning.

283 Nursing Assessment and Intervention I. (2) I, II. Prerequisites: NSC 280, 281, and 282. Corequisite: NSC 293. Focus is on assessment and intervention skills to meet common health needs of children from infancy through early adolescence.

293 Nursing Care of Children. (8) I, II. Prerequisites: NSC 280, 281, and 282. Corequisite: NSC 283. Focuses on nursing care of children, early adolescents, and their families along the health-illness continuum. Integrates knowledge from the physical, biological, behavioral, social and nursing sciences, and the humanities as a foundation for nursing decision-making in promotion, maintenance, and restoration of health. Student implements the nursing process in caring, therapeutic, and educative relationships with children and families in a variety of health care settings.

375 Perspectives in Professional Nursing. (4) A. Prerequisites: R.N. status and admission to the nursing major. Foundation course for registered nurse students which focuses on the changing concepts in professional nursing as developed within the conceptual framework.

378 Short Topics in Clinical Nursing. (1-3) A. Provides enrichment learning for upper division nursing students and practicing registered nurses. Each segment of the course describes the current trends in nursing theory and practice including relevant pathologic processes and usual nursing management. Emphasis on in-depth study of current interest topics. May be retaken to a maximum of six hours credit.

382 Nursing Assessment and Intervention II. (2) I, II. Prerequisites: NSC 283 and 293. Corequisite: NSC 393. Focus is on assessment and intervention skills to meet common health needs of late adolescence, the childbearing family, and young adults.

383 Nursing Assessment and Intervention III. (2) I, II. Prerequisites: NSC 382 and 393. Corequisite: NSC 394. Focus is on assessment and intervention skills to meet common health needs of adults during their middle years.

393 Nursing Care of Young Adults. (8) I, II. Prerequisites: NSC 283 and 293. Corequisite: NSC 382. Focuses on nursing care of late adolescents, young adults, and their families along the health-illness continuum. Integrates knowledge from the physical, biological, behavioral, social and nursing sciences, and the humanities as a foundation for nursing decision-making in promotion, maintenance, and restoration of health. Student implements the nursing process in caring, therapeutic, and educative relationships with young adults and families in a variety of health care settings.

394 Nursing Care of Middle Adults. (8) I, II. Prerequisites: NSC 382 and 393. Corequisite: NSC 383. Focuses on nursing care of middle adults and their families along the health-illness continuum. Integrates knowledge from the physical, biological, behavioral, social and nursing sciences, and the humanities as a foundation for nursing decision-making in promotion, maintenance, and restoration of health. Student implements the nursing process in caring, therapeutic, and educative relationships with middle adults and families in a variety of health care settings.

482 Nursing Assessment and Intervention IV. (2) I, II. Prerequisites: NSC 383 and 394. Corequisite: NSC 493. Focus is on assessment and intervention skills within the health care system and to meet common health needs of the older adult and the community.

490 Nursing Research. (3) I, II, A. Prerequisite: senior standing in the major. Research process applied to problems in nursing as a base for evaluation of existing practice and research. Student designs a research study which may be carried out in independent study.

493 Nursing Care of Older Adults. (5) I, II. Prerequisites: NSC 383 and 394. Corequisite: NSC 482. Focuses on the nursing care of older adults and their families along the health-illness continuum. Integrates knowledge from the physical, biological, behavioral, social, and nursing sciences for decision-making in promotion, maintenance, and restoration of health. Student implements the nursing process, therapeutic and educative relationships with older adults and families in a variety of health care settings.

494 Nursing Care Practicum. (5) I, II. Prerequisites: NSC 482 and 493. Focus is leadership/management theory, professional role socialization, and synthesis of knowledge necessary in complex client situations. Student practices in a clinical setting under supervision of approved preceptor and/or clinical faculty.

495 Nursing in Transition. (2) I, II. Prerequisite: senior standing in the major. Historical, political, and socioethical systems which shape the nursing profession; philosophy, process, and power sources of health care delivery systems; potential and emerging nursing roles; strategies for building power bases, exerting leadership, and instituting change.

496 Application of Nursing Theory. (2) I, II. Prerequisite: NSC 493 or department approval. Facilitates synthesis of nursing knowledge and strengthens the student's ability to apply theory to specific patient situations. Patient case situations from all nursing clinical areas are utilized.

498 Independent Study. (1-6) A. Prerequisite: Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Directed study or research on an issue or area of interest to nursing. May be retaken to a maximum of six hours.

500 Early Childhood Health Care. (3) A. Prerequisite: education major or instructor approval. Focuses on the development of competencies necessary for health management of young children (ages birth through five years) with special health care needs. Appropriate for non-health care professionals in the community or classroom.

GRADUATE COURSE

700 Early Childhood Health Care. (3) A.

DEPARTMENT OF

OCCUPATIONAL THERAPY

J. Anderson, Chair; Allen, Arnold, Atler, Benzing, Blakeney, Cowan, Cunningham, Emery, Hausser, Kautzmann, Leone, Masagatani, O'Brien, Rydeen, Schmid, Scoggin, Skubik, Smith, Splinter, St. Michel, Yuen.

Occupational therapy as a health profession has as a primary concern the development of skills and abilities needed in individuals to have independent and productive lives. Reference to "occupation" in the title is in the context of being engaged or "occupied" in meaningful day-to-day living activities including work, leisure, and self-care activities.

Occupational therapy is the use of purposeful activity with individuals who are limited by physical injury or illness, psychosocial dysfunction, development or learning disabilities, poverty and cultural differences or the aging process in order to maximize independence, prevent disability, and maintain health. The practice encompasses evaluation, treatment, and consultation. Specific occupational therapy services include: teaching daily living skills; developing perceptual-motor skills and sensory integrative functioning; developing play skills and pre-vocational and leisure capacities; designing, fabricating or applying selected orthotic and prosthetic devices or selective adaptive equipment; using specifically designed crafts and exercises to enhance functional performance; administering and interpreting tests such as manual muscle and range of motion; and adapting the environment for the handicapped. These services are provided individually, in groups, or through social systems.

Since the primary focus of occupational therapy is the development of adaptive skills and performance capacity, its concern is with factors which serve as barriers or impediments to the individual's ability to function, as well as those factors which promote, influence, or enhance performance.

Occupational therapy is an integral component of today's comprehensive health care. The occupational therapist, as a vital member of the health care team, works with qualified physicians, physical and speech therapists, nurses, social workers, psychologists, vocational counselors, teachers, and other specialists.

Occupational therapy services are provided in a variety of settings and afford numerous employment opportunities. These include health departments, rehabilitation centers, community hospitals, school systems, developmental centers, individual practice, home health programs, and settings serving clients with special problems.

The education and training of the occupational therapist concentrates on the biological sciences such as anatomy, physiology, and neuroanatomy; behavioral sciences such as normal and abnormal psychology and psychosocial development, sociology, and group process; and the theory and practice of occupational therapy.

The Department of Occupational Therapy offers both a baccalaureate degree (B.S.) and a master's degree (M.S.) in occupational therapy.

The occupational therapy undergraduate program at Eastern Kentucky University was established in 1976 and is jointly accredited by the American Occupational Therapy Association (AOTA) and the American Medical Association Committee on Allied Health Education and Accreditation (CAHEA).

The occupational therapy undergraduate curriculum is a four-year course of study plus a six-month fieldwork (off-campus internship) in which students are placed in facilities where occupational therapy is practiced. Following successful completion of the program, including OTS 481 and OTS 482 fieldwork (internship), the graduate is eligible to sit for the national certification examination of the American Occupational Therapy Certification Board and to apply for a state license in those states requiring licensure.

To complete the occupational therapy program successfully all students in the program must complete three level I fieldwork (practicum) experiences at three different off-campus sites during the junior and senior years. The student must also complete two level II internships (three-months each). Students in level II internships are placed in facilities across the United States (primarily in the Southeastern region of the country) where occupational therapy is practiced. Students are not guaranteed a level II fieldwork placement within the Bluegrass region. The availability of contracted clinical education sites for level II fieldwork experiences may be subject to changes that affect the student's progression through and completion of the program at a given time.

Transportation to all fieldwork experiences and acquisition of housing, transportation, and health insurance for level II internships are the responsibility of the student. Proof of CPR certification and liability insurance are required for all fieldwork experiences. Many clinical facilities have specific requirements that the student must meet before starting level I and/or level II fieldwork experiences (e.g. immunizations, physical exams, and tests).

The Master of Science degree was approved and initiated in fall 1990. The master's degree has two routes of entry. One is for the OTR (Occupational Therapist, Registered) with a degree in occupational therapy and the other is for an individual who has a degree in another discipline. The post-baccalaureate certificate program enroute to a Master's degree was also accredited by AOTA and CAHEA IN 1991. For complete details concerning the Master of Science degree program, refer to the *Graduate Catalog*.

OBJECTIVES

The Department of Occupational Therapy is committed to the education of the future occupational therapist as a generalist. The generalist must be qualified and prepared to practice in a variety of modes of health care delivery to service a wide range of client disabilities and age ranges.

Upon successful completion of the baccalaureate program including six months of fieldwork (internship), the graduate will: (1) understand the theoretical bases of occupational therapy; (2) understand and demonstrate the occupational therapy process (assessment, program planning, treatment, discontinuation); (3) understand and demonstrate skill in occupational therapy service management; (4) understand and apply problem-solving methods; (5) communicate effectively with others; (6) demonstrate adaptability, flexibility, and sensitivity to the needs and feelings of others; (7) respect self and others regarding rights and dignity; (8) function as an independent health practitioner; and (9) realize need for and seek continued learning.

ADMISSION REQUIREMENTS

All students who are accepted by Eastern's Admissions Office and declare their major as occupational therapy are admitted to the University as pre-occupational therapy students. However, admission to pre-occupational therapy does not guarantee admission to the professional occupational therapy program.

Students with a standing of second semester sophomore or more shall be considered for admission to the occupational therapy program. Students will be admitted during the fall semester and the spring semester. OTS 232 and OTS 331 will be waived for those students who have successfully completed an Occupational Therapy Assistants Program which has been approved by the American Occupational Therapy Association, and who are certified Occupational Therapy Assistants (proof of certification is

required). These students will be placed in the first semester of the junior year in the occupational therapy program.

Candidates shall be selected from applicants who have met the criteria listed below.

CRITERIA FOR ADMISSION TO THE PROFESSIONAL OCCUPATIONAL THERAPY PROGRAM

1. Students must have earned a minimum of 32 semester hours of college credit before application to the occupational therapy program. Only courses numbered 100 or above (or their equivalent) will be applied to the 32 semester hours.
2. Students must have a minimum GPA of 2.7 on a 4.0 scale. For students who have earned more than 45 semester hours, GPA will be computed on the last 45 semester hours (all hours attempted in the semester in which the 45 hours occur will be counted). If the prerequisite courses are not included in the last 45 hours the grades for those courses will be included in calculation of the GPA. Students must have the minimum 2.7 GPA at the time of application and at the time of enrollment.
3. Students must have a minimum of "C" in all prerequisite courses at time of application.
4. The following prerequisite courses must be completed before applying to the program: A minimum of three semester hours or its equivalent in human anatomy with a lab (BIO 171), in human physiology (BIO 301), in general psychology (PSY 202), and six semester hours of freshmen English composition (ENG 101, 102, or 105).
5. Student must demonstrate an understanding of occupational therapy through one of the following:
   a. completion of OTS 111 or an equivalent course
      OR
   b. completion of 20 hours of volunteer experience with a registered occupational therapist in an occupational therapy setting. At the time of application, the applicant must submit the following documents: (1) a written statement by an OTR verifying the volunteer experience and (2) a brief summary (one page, typewritten, double-spaced) written by the applicant describing the role of the occupational therapists in the volunteer setting,
      OR
   c. employment in an occupational therapy setting documented by an OTR. At the time of application, written verification by an OTR must be attached to the application.

Of necessity, the number of admissions each semester is limited and completion of criteria for admissions does not ensure acceptance into the program. Candidates will be selected from those meeting the criteria for admission to the professional occupational therapy program by rank order of GPA.

In the event a student is not accepted into the occupational therapy program, the student may reapply for the next semester by submitting a new application the following semester.

ADMISSION PROCEDURES

1. Students must obtain application forms for the occupational therapy program from the Admissions Office, College of Allied Health and Nursing.
2. Students applying for admission to the occupational therapy program must submit their applications and any support documents to the Admissions Office, College of Allied Health and Nursing. Students desiring consideration for spring admission must submit all documents by September 15. Students desiring consideration for fall admission must submit all documents by March 1.
3. Students shall be notified of admission status, in writing, by November 1 for spring admission and April 1 for fall admission.
4. The student who wishes to accept the admission to the occupational therapy program must notify the Department of Occupational Therapy of acceptance, in writing, by November 15 for spring admission and April 15 for fall admission. If mailed, the acceptance must be postmarked not later than November 15 for spring admission and April 15 for fall admission.
5. Students are officially admitted to the occupational therapy program at the time of enrollment in the professional program.
6. Transfer students must submit copies of all transcripts to the Eastern Kentucky University Registrar. Transcripts must be received by the Registrar by the application deadline date. These transcripts will be considered a part of the application and are necessary to determine admission and placement. A photocopied *Catalog* description of all transferred prerequisite courses must be submitted along with the application form.
7. Transfer students must meet the required ACT score for the University. Transfer students must contact the Office of Undergraduate Advising if they are unsure of their status regarding ACT score.

PROGRESSION IN THE PROGRAM

In order for students to follow the established progression of the program sequence, they must meet all prerequisites with a "C" or better before enrolling in any occupational therapy course.

RETENTION/READMISSION IN THE OCCUPATIONAL THERAPY PROGRAM

Students must meet the following criteria in order to be retained in the occupational therapy program.

Criteria:**

1. Maintain an overall GPA of 2.0 on a 4.0 scale.
2. Complete all major and supporting courses with a minimum of a "C" after two attempts.
3. Follow the Department Leave of Absence Procedures when it is necessary for the student to temporarily leave the occupational therapy program.

**Dismissal from the University will automatically be considered dismissal from the occupational therapy program.

Students not retained in the program either voluntarily or by not meeting the above criteria must petition for readmission, in writing, to the Admissions and Retention Committee.

LEAVE OF ABSENCE

Students may be granted a leave of absence from the occupational therapy program for a maximum of one year. Students granted a leave of absence from the occupational therapy program must follow the readmission procedures of Eastern Kentucky University and the College of Allied Health and Nursing when reentering the program. They do not need to reapply to the occupational therapy program. Specific procedures are described on the leave of absence forms. Leave of absence forms may be obtained from the Department of Occupational Therapy.

APPEALS

Students have the right to appeal decisions related to admissions, progression, or retention to the Admissions and Retention Committee. Appeals procedures are available from the Department of Occupational Therapy.

Refer to the section of General Academic Information for general admission requirements for Eastern Kentucky University and the General Admission Policies for the College of Allied Health and Nursing.

Occupational Therapy

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 59 hours
OTS 232, 320, 331, 335, 341, 352, 353, 354, 362, 431, 432, 454, 455, 462, 473, 478, and 481 and 482 (six month off-campus internships).

Supporting Course Requirements ..... 35 hours
AHN 105, BIO 171, 271, 301, 371, EMC 102, TEC 141, PSY 202, 280, 308, 406, and any three hour statistics course or three hour combination of courses.

General Education Requirements ..... 37 hours
Standard General Education Program, excluding course categories 13, 15, and 16. Refer to Part Three of the *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
ANO 100 and eight hours of restricted electives.

Total Curriculum Requirements ..... 140 hours

Course Descriptions

OTS—Occupational Therapy

111 Survey of Occupational Therapy. (1) I, II. Introduction to occupational therapy and the many facets of the profession. Survey course for individuals considering a career in health.

232 Foundation of Occupational Therapy. (3) I, II. Prerequisite: acceptance into professional program. Basic theories, skills, concepts, and values of occupational therapy will be considered as a foundation of the student's professional development.

235 Independent Practicum. (1-3) I, II, A. Prerequisite: major in occupational therapy program. Self-directed participation in a health service or community agency. Daily log is required. Student must submit objectives to instructor for approval prior to registration. Hours credit negotiated.

320 Theoretical Constructs in OT. (3) I, II. Prerequisite: OTS 232. Prerequisite or Corequisite: BIO 371. Comparison of frames of reference for occupational therapy practice. Provides the theoretical basis for all subsequent treatment courses and the student's individual frame of reference.

331 Therapeutic Activities. (3) I, II. Prerequisite: acceptance into professional program. Study of the value and use of activities in occupational therapy and occupational performance skills in work, play/leisure, and self-care. Development of teaching and activity analysis skills. 2 Lec/2 Lab.

335 OT Group Theory and Skills. (2) I, II. Prerequisite: OTS 232. Contemporary group theories and skills used by occupational therapists in practice arenas with children, adolescents, adults, and the elderly. Development of skills in group roles and programming for therapeutic groups. 2 Lec.

341 Level I Fieldwork - A. (2) I, II. Prerequisites: EMC 102 and OTS 232. Prerequisite or Corequisite: OTS 352. The first competency based fieldwork course to develop professional skills in occupational therapy service delivery. Students assigned to agencies serving infants, children, or adolescents. 5 Lab.

352 OT For Infants and Children. (4) I, II. Prerequisites: PSY 280 and OTS 232. Prerequisite or Corequisite: OTS 320. Programming for infants and children. Evaluation, program planning, treatment application, prevention, and consultation. Concepts of health and illness related to infants and children. 5 Lec/Lab.

353 Occupational Therapy for the Adolescent. (3) I, II. Prerequisite: BIO 371. Prerequisite or Corequisite: OTS 320. Theories, approaches, and principles of occupational therapy programming for the adolescent. Evaluation, program planning, and treatment application. 4 Lec/Lab.

354 OT for Adults-Assessment and Treatment I. (4) I, II. Prerequisites: BIO 271, 371, and PSY 308. Prerequisites or Corequisites: OTS 320, 335, and 362. First course on occupational therapy assessment and treatment for adults. Emphasis on normal development, medical diagnoses, biopsychosocial problems, and programming for occupational performance. 5 Lec/Lab.

362 Human Motion for Activity. (3) I, II. Prerequisites: acceptance into professional program and BIO 271. Kinetics of the musculoskeletal system in relation to occupational performance skills. Included are evaluation procedures for muscle strength, range of motion, biomechanical analysis, and hand function. 2 Lec/2 Lab.

410 Special Problems in Occupational Therapy. (1-3) A. Prerequisite: Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Independent study, special seminar, or special topic. May be retaken to a maximum of six hours.

431 Therapeutic Adaptations. (3) I, II. Prerequisites: OTS 331, 362, and senior standing in program. Skills in adapting tools, equipment, environments, and activities for therapeutic use. Designing, fabricating, using orthotic devices, and developing assistive and adaptive equipment to enhance work, play/leisure, and self-care skills. 2 Lec/2 Lab.

432 Research Methodology in OT. (3) I, II. Prerequisites: senior standing in professional program and a three hour statistics course. Students will learn to be consumers of research data, conduct literature searches, examine methods of research design and data collection, and prepare a research proposal related to occupational therapy.

435 OT Professional Seminar. (2) I, II. Prerequisite: senior standing in program. Seminar course in which students will discuss and debate health issues related to practice. Concepts of position statements, strategic planning, and self-directed learning will be emphasized.

454 OT for Adults - Assessment and Treatment. (4) I, II. Prerequisites: OTS 354 and 362. Prerequisite or Corequisite: PSY 406. Second course on occupational therapy assessment and treatment for adults. Continuation of medical diagnoses, biopsychosocial problems, and programming for occupational performance. 5 Lec/Lab.

455 OT for the Elderly. (3) I, II. Prerequisite BIO 371. Prerequisite or Corequisite: OTS 320. Theories, approaches, and principles of gerontic occupational therapy. Theories of aging, normal physiological and psychological changes of aging, specific diseases and conditions, and common problems of the aging population. Focus on occupational therapy intervention. 4 Lec/Lab.

462 Level I Fieldwork - B. (2) I, II. Prerequisite: OTS 341. Prerequisite or Corequisite: OTS 454. The second competency based fieldwork course to help develop skills in occupational therapy service delivery. Students assigned to agencies serving adults with biopsychosocial problems. 5 Lab.

473 Level I Fieldwork - C. (2) I, II. Prerequisite: OTS 462. Prerequisite or Corequisite: OTS 455. The third competency based fieldwork course to help develop skills in occupational therapy service delivery. Students assigned to agencies serving the elderly. 5 Lab.

478 OT Administration. (3) I, II. Prerequisite: senior standing in professional program. Occupational therapy service management skills. Includes health care trends and legal issues. Student will develop a model for the delivery of occupational therapy services in a selected agency or facility.

481 Level II Fieldwork (Internship). (6) A. Prerequisites: completion of all OTS and supporting courses and instructor approval. Three months of supervised field experience with individuals and/or groups having psychosocial disabilities. Students will be supervised by Registered Occupational Therapists.

482 Level II Fieldwork (Internship). (6) A. Prerequisites: completion of all OTS and supporting courses and instructor approval. Three months of supervised field experience with individuals and/or groups having physical disabilities. Students will be supervised by Registered Occupational Therapists.

483 Level II Fieldwork Specialty Internship. (2-6) A. Prerequisites: OTS 481 and 482. One to three months of field experience in a specialty area of occupational therapy. Students will be supervised by a Registered Occupational Therapist.

515 Early Child Sensorimotor Development. (3) A. Provides an overview of normal sensorimotor development in infants and young children. Includes contrasting normal/abnormal development and application of appropriate developmental tasks. Laboratory experiences will be provided.

520 Providing Health Services in Appalachia. (3) A. Prerequisite: instructor approval. An overview of development and delivery of health care services in Appalachia. Examination of relevant current and historical factors which have an impact on the health of Appalachian people.

525 Technology for the Disabled. (3) A. Provides knowledge of specific technology available for developing or enhancing the work, leisure, or self-care skills of the severely disabled individual.

530 OT in Early Childhood Programs. (3) A. Prerequisite: OTS 352 or equivalent; or graduate OT student. Will acquaint students with early intervention and preschool environments, and the role of occupational therapy in these environments.

531 Occupational Therapy Services in the School System. (3) A. Prerequisite: OTS 352, 353 or equivalent; or graduate OT student. In-depth study of school-based occupational therapy. Theories, principles, models of practice, and methods of occupational therapy delivery of services for students experiencing dysfunction in educational performance, within the context of state and federal laws.

551 Strategic Communication in Occupational Therapy. (3) A. Prerequisite: undergraduate/graduate course in administration or instructor approval. Study of change theory and factors affecting communication in practice settings. Includes examination of environments, organizations. Students will identify an issue and develop remediation strategies.

GRADUATE COURSES

715 Early Child Sensorimotor Development. (3) A.
720 Providing Health Services in Appalachia. (3) A.
725 Technology for the Disabled. (3) A.
730 OT in Early Childhood Programs. (3) A.
731 Occupational Therapy Services in the School System. (3) A.
751 Strategic Communication in Occupational Therapy. (3) A.
800 Theoretical Approaches to Occupational Therapy. (3) A.
810 Adaptive Life Skills. (3) A.
835 OT Intervention in the Workplace. (3) A.
850 Administration, Supervision, and Consultancy in OT. (3) A.
870 Seminar: Trends and Issues in Occupational Therapy. (3) A.
880 Research in Occupational Therapy. (3) A.
895 Independent Study. (3) A.
896 Special Project in Occupational Therapy. (3) A.
899 Thesis. (6) A.

Interdisciplinary Courses

AHN—Allied Health and Nursing

The College of Allied Health and Nursing offers courses designed to meet the needs of students in the various majors in allied health and nursing. Enrollment in these courses is normally limited to students in the College of Allied Health and Nursing.

100 Introduction to the Health Science Field. (3) I, II. Overview of U.S. health care: history, factors influencing health and health care, identification and organization of health facilities and professionals, health economics, health trends, and ethics.

105 Survey of Medical Terminology. (1) I, II, A. Independent study, modular design paced by class meetings includes word roots, prefixes, suffixes, and general medical terms.

200 Medical Terminology I. (3) I, II, A. Basic medical vocabulary consisting of prefixes, suffixes, roots; anatomical, symptomatic, and common disease terms of the body systems.

201 Medical Terminology II. (3) I, II, A. Prerequisite: AHN 200. Includes surgical instruments and procedures, diseases, laboratory tests, clinical procedures, and abbreviations for each system. Terms related to oncology, radiology, nuclear medicine, pharmacology, psychiatry, systemic disorders, and autopsy procedures.

210 Special Problems in Allied Health and Nursing. (1-3) A. Prerequisite: advisor/departmental chair approval. For independent work, special workshops, or a special topic. May be retaken to a maximum of six hours.

239 Techniques of Electrocardiography. (1) I, II, A. Methods of obtaining 12-lead electrocardiogram and survey of cardiac anatomy, physiology, and electrophysiology.

240 Introduction to Electrocardiography. (3) I, II, A. Cardiac anatomy, physiology, and electrophysiology related to ECG. Proficient ECG interpretation skills emphasized.

250 Introduction to Gerontology. (3) I. An interdisciplinary approach to the study of aging that presents a balanced view of both normal and problem aspects of aging.

330 Clinical Drug Therapy. (3) I, II. Prerequisites: CHE 105, 106 or equivalent, and BIO 301. Emphasis on knowledge and actions needed to maximize therapeutic benefits and prevent/minimize adverse effects of drugs. Content includes drug classes, prototypes of drug classes, commonly prescribed individual drugs, and drug effects on body tissues.

340 Applying Principles of Client Education. (1) I, II. Utilization of teaching/learning principles in development of skills pertaining to client education, communication, and discharge planning.

342 Understanding A.I.D.S. (1) I, II. A seminar intended to inform students about risk factors and implications associated with acquiring A.I.D.S. (Acquired Immune Deficiency Syndrome).

344 Seminar in Assertiveness. (1) I, II. Focus is on four basic components; differences between assertion, aggression, and non-assertion; identification of personal rights and rights of others; reducing cognitive and affective obstacles to acting assertively; and developing assertive skills through active practice methods.

349 Cooperative Study: Allied Health and Nursing. (1-8) A. Work, under faculty and field supervisors, in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. Minimum 80 hours work required for each academic credit.

410 Special Problems in Allied Health and Nursing. (1-3) A. Prerequisite: advisor/departmental chair approval. For independent work, special workshop, or special topic. May be retaken to a maximum of six hours.

420 Special Topics for Health Professions. (1-2) A. Prerequisite: senior standing and/or instructor approval. Topics of current interest to students enrolled in health professions. May be retaken to a maximum of six hours.

450 Seminar in the Disease Process and Implications I. (2) I, II. Prerequisites or Corequisites: BIO 171, 301, and instructor approval. Theory and research in pathophysiology of the disease process. Emphasis on in-depth study of the most prevalent, major disease of man and their management through surgical intervention.

460 Seminar in the Disease Process and Implications II. (2) II. Prerequisites or Corequisites: BIO 171, 301, and instructor approval. Theory and research in pathophysiology of the disease process. Emphasis on in-depth study of the most prevalent, major diseases of man and their management through medical intervention.

510 Physical Assessment. (4) A. Prerequisite: instructor approval. Techniques used in performing a physical examination. Introduces the student to techniques used in eliciting patient histories. Graduate students complete a detailed case history.

531 Human Genetics and Its Implications for Health Care. (3) A. Prerequisites: one year of chemistry and biology or instructor approval. A study of the chromosomal basis of heredity, bio-chemical genetics, immunological disorders, and blood groups. Graduate students will be required to present a (mid-metaphase) human chromosomal analysis.

532 Principles of Genetic Counseling. (3) A. Prerequisite: AHN 531 or instructor approval. The role of the physician and medical geneticist and the health care worker in genetic counseling. Topics in genetic principles, probability, linkage, paternity, consanguinity, penetrance, and empiric risk counseling, prenatal diagnosis, and consequences of genetic counseling. Graduate students will present a case study.

550 Pathophysiology. (3) A. Prerequisite: instructor approval. Emphasis on in-depth study of the more prevalent, major diseases of man and their management.

570 Health Care of the Aged. (3) A. Theories of gerontology; common health problems of the aged; focus on quality health care.

GRADUATE COURSES

710 Physical Assessment. (4) A.
731 Human Genetics and Its Implications for Health Care. (3) A.
732 Principles of Genetics Counseling. (3) A.
750 Pathophysiology. (3) A.
770 Health Care of the Aged. (3) A.

COLLEGE OF APPLIED ARTS AND TECHNOLOGY

GLEN A. W. KLEINE, DEAN

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The specific purposes of the College of Applied Arts and Technology are stated in their order of emphasis: 1) to provide selected instructional programs for the preparation of people for careers in the applied arts and technologies; 2) to contribute to the professional growth of individuals in their careers and to the elevation of technical disciplines through public service; and 3) to intensify and broaden through research the base of knowledge within the applied arts and technologies.

The College of Applied Arts and Technology seeks to fulfill its purpose related to instruction by offering a variety of associate, baccalaureate, and masters degree programs in four departments: Agriculture, Human Environmental Sciences, Mass Communications, and Technology. A four-year Army Reserve Officers Training Corps (ROTC) program is offered by the Department of Military Science. Students may also enroll in the Air Force ROTC program through a cooperative agreement with the Air Force ROTC Unit at the University of Kentucky. A baccalaureate degree in aircraft professional pilot along with aviation courses leading to Federal Aviation Administration certificates and two minors are offered through the College.

The College is committed to the career-ladder concept by providing opportunities for students enrolled in, or completing the associate (two-year) degree programs, to transfer to a corresponding baccalaureate program within the same department with little or no loss of credits.

The Department of Agriculture administers two-year programs designed to prepare technicians for agriculture-related occupations. The Associate of Science Degree is awarded to students who successfully complete the prescribed programs in technical agriculture and in technical ornamental horticulture. The Department offers baccalaureate programs with majors in agriculture and horticulture. The pre-veterinary medicine curriculum is also administered by the Department.

The Department of Human Environmental Sciences offers baccalaureate programs to prepare teachers for vocational home economics and general home economics, as well as for those who wish to become specialists in child and family studies, clothing construction and design, dietetics, fashion merchandising, and foodservice administration. Under the College of Applied Arts and Technology, the interdisciplinary program which leads to a baccalaureate degree in interior design is also administered by the Department. Associate degree programs are provided in child care, nutrition care management, and interior design assistant. The Department also offers a graduate program leading to the Master of Science degree in community nutrition.

The Department of Mass Communications provides baccalaureate degree programs designed to aid students to become effective and responsible practitioners in broadcasting, journalism, and public relations.

The Department of Technology administers baccalaureate degree programs to prepare technology education teachers for secondary schools, vocational-industrial and technical teachers for vocational-technical schools, and technicians and technologists/managers for the manufacturing and construction industry. Associate of Science degree programs are offered in vocational-industrial and technical education, computer electronics technology, computer aided drafting, and quality assurance. The Department also offers graduate programs leading to the Master of Science degree in industrial education and the Master of Science degree in manufacturing technology.

The Aviation Unit offers a baccalaureate degree program and/or minors to prepare students for an initial entry into a career as a professional pilot. The degree and/or minors provide instruction for such federal aviation administration (FAA) certifications as private, instrument, commercial, CFI, CFII, and multi-engine rated pilots.

The Department of Military Science does not offer a degree program, but it provides opportunities for leadership development for students from all majors and for military commissions in the active Army, National Guard, or U.S. Army Reserve for those who qualify. Students may minor in military science.

Students in Air Force ROTC enroll at Eastern for courses offered at Eastern Kentucky University by the Air Force ROTC Unit at the University of Kentucky. Students in this program may be commissioned Second Lieutenants in the U.S. Air Force.

The College offers a large number of extended campus classes and the faculty provides consultative services for the public good. In addition, the College is engaged in special projects designed for public service and research in the applied arts and technologies.

PLANNED CURRICULUM

Upon completion of 60 hours, in a baccalaureate degree program, a planned curriculum (which specifies the remaining graduation requirements) must be initiated by consulting the faculty advisor in the major department. Teaching majors must have been admitted to the Teacher Education Program prior to the preparation of a planned curriculum. Any subsequent change in the planned curriculum is proposed on forms available in the office of the advisor. Students in associate degree programs should initiate the preparation of the planned curriculum after completing 15 semester hours.

TRANSFER STUDENTS

Students who transfer from other institutions must earn no fewer than six hours in the area or major at Eastern Kentucky

University, the exact minimum to be determined by consultation of the advisor, department chair, and dean. At least three hours of the minor must be earned at Eastern Kentucky University.

COURSE NUMBERING

Courses numbered in the 500/700 series are open to seniors and graduate students who meet course and program prerequisite. Additional appropriate experiences are required of all graduate students enrolled in the same course with undergraduates. Courses numbered in the 800 series are open only to graduate students.

APPLICATION FOR GRADUATION

Students must file an application for graduation in the dean's office no later than April 30 for December graduation and no later than October 31 for either May or August graduation. It is the student's responsibility to plan and register for the proper courses to meet all graduation requirements.

DEGREE REQUIREMENTS

General University requirements described on page 25 in Part Three of this *Catalog*, as well as specific course requirements set forth in the description of curricula, must be met by students completing associate and baccalaureate programs administered by the College of Applied Arts and Technology. See programs under each department for major and minor requirements. Common to all programs is the Academic Orientation course (ATO 100) of the College of Applied Arts and Technology.

ATO—Applied Arts and Technology Orientation

100 Academic Orientation. (1) I, II. Designed to orient the student to university academic life and afford background for career choice and preparation. Included are University regulations and calendar, catalog details, registration, various career opportunities, and program requirements. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned.

DEPARTMENT OF

AGRICULTURE

D. Britt, Chair; Barkley, Black, Hayes, Janicke, Judge, Knight, Pratt.

The Department of Agriculture offers curricula to provide programs for education and careers in agricultural occupations, to develop new programs to meet the needs of rapidly developing technology, to provide work experience as a part of technical education, and to aid graduate placement in the agriculture industry. The department also strives to provide services to the agriculture community through such activities as field days, demonstrations, and applied research.

The primary purpose of educating students to become technically trained agriculturalists is accomplished by developing their ability: (1) to attain job entry competence; (2) to work independently; (3) to analyze and interpret information, diagnose problems, make decisions; (4) to make practical applications of theoretical knowledge in performing specific tasks in specialized fields; (5) to exercise cognitive skills, yet be able to supervise and perform manipulative skills; and (6) to develop and improve proficiency in technical skills through practicum courses.

Students pursuing any program of study in agriculture and horticulture must have achieved a "C" average in departmental courses to receive a degree. A maximum of 12 hours of practicum courses may be applied toward the 128 hour requirement for a B.S. degree. A maximum of eight hours of practicum courses may be applied toward the A.S. degree. Practicum courses are 301, 302, and 349.

Majors must take AGR 210 during the first 60 hours of course work or credit will not be awarded. Transfer students must take AGR 210 during their first semester after declaring a major.

Agriculture

MAJOR (BACHELOR OF SCIENCE) WITH MINOR IN BUSINESS**

Major Requirements ..... 52-53 hours
AGR 125 and 126 or 270; 130, 131, 210, 213, 215, 304, 308, 310, 411; four hours from AGR 301, 302, or 349; and 20 hours in AGR and/or OHO upper division electives with a maximum to eight hours in any option area.

Minor Requirements ..... 21 hours
Refer to College of Business requirements for minor.

Supporting Course Requirements ..... 8 hours
BIO 131 or 141; and CHE 101.

General Education Requirements ..... 32 hours
Standard General Education program, excluding course categories 09, 12, 13, and 14. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
ATO 100 and eight hours of restricted electives.

Free Electives ..... 5-6 hours

Total Curriculum Requirements ..... 128 hours

**Minor in other fields may be substituted if approved by department chair and Dean of the College of Applied Arts and Technology.

Agriculture

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 58-63 hours
AGR 125 and 126, or 270; 130, 131, 210, 213, 215, 304, 308, 310, 411; four hours from AGR 301, 302, or 349; 12 hours of upper division AGR and/or OHO electives; and one of the following options:

Option I (Agribusiness Management):
AGR 315, 321, 394, 409, and 440.

Option II (Agriculture Mechanization):
AGR 242, 272, 362, 383, and 394.

Option III (Agronomy and Natural Resources):
AGR 312 or 345; 315, 321, 340, and 416.

Option IV (Dairy Herd Management):
AGR 225, 321, 375, and 380.

Option V (Livestock Production):
AGR 225, 321, 327, 328, and 409.

Option VI (Soils):
AGR 312 or 345; 315, 317, 318, 340, and AGR 416.

Option VII (Vo-Ag Preparation):
Kentucky Vocational Agriculture Certification requires a minimum of 50 hours in AGR and/or OHO courses. Minimum in soils, six hours; agriculture mechanization, six hours; animal science, six hours; plant science, six hours; farm management, three hours; pre-student teaching clinical and field experience, 150 hours. Students should check with Vo-Ag advisor regarding current education course requirements.

Supporting Course Requirements ..... 17 hours
BIO 131 or 141; CHE 101, ACC 201, and six hours business electives.

General Education Requirements ..... 38 hours

Standard General Education program, excluding course categories 13 and 14. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
ATO 100 and eight hours of restricted electives.

Free Electives ..... **1-6 hours**

Total Curriculum Requirements ..... **128 hours**

Horticulture

MAJOR (BACHELOR OF SCIENCE) WITH MINOR IN BUSINESS**

Major Requirements ..... **50 hours**
OHO 131, 132, 351, 371, 372, 391, AGR 210, 213, 215, 304, 308, 315, 411; OHO 384 or 385; four hours from OHO 301, 302, and/or 349; and seven hours upper division OHO and/or AGR electives.

Minor Requirements ..... **21 hours**
Refer to College of Business requirements for minor.

Supporting Course Requirements ..... **8 hours**
BIO 131 and CHE 101.

General Education Requirements ..... **32 hours**
Standard General Education program, excluding course categories 09, 12, 13, and 14. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 **hours**
ATO 100 and eight hours of restricted electives.

Free Electives ..... **8 hours**

Total Curriculum Requirements ..... **128 hours**

**Minor in other fields may be substituted if approved by department chair and Dean of the College of Applied Arts and Technology.

Horticulture

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **56-59 hours**
OHO 131, 132, 351, AGR 210, 213, 215, 304, 308, 315, 409, 411; three hours from OHO 301, 302, and/or 349; three hours of upper division electives from AGR and/or OHO electives, and one of the following options:

Option I (Ornamental Horticulture):
OHO 261, 262, 352, 371, 372; 370 or 384 or 385; and 388 and 389 or 391 and 392.

Option II (Turfgrass Production):
OHO 301 (1), 352, 354, 362A, 362G, 349 (4), 370, 410 (2), AGR 362, and two hours OHO and/or AGR upper division.

Supporting Course Requirements ..... **17 hours**
ACC 201, BIO 131, CHE 101, and six hours business electives.

General Education Requirements ..... **38 hours**
Standard General Education program, excluding course categories 13 and 14. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 **hours**
ATO 100 and eight hours of restricted electives.

Free Electives ..... **5-8 hours**

Total Curriculum Requirements ..... **128 hours**

MINOR IN AGRICULTURE

A minor consists of 18 hours of agriculture or ornamental horticulture arranged between the department chair and the student seeking the minor. The objective is to meet the student's need for taking a minor in these areas. However, six or more hours shall be upper division courses.

MINOR IN SOILS

A core of courses may be taken for a minor in soils. Courses are AGR 130, 131, 215, 315, 317, 318, 340, and AGR 416.

Technical Agriculture

ASSOCIATE OF SCIENCE

Major Requirements ..... **43 hours**

Core:
AGR 130, 131, 210, 213, 310; six hours of 301, 302, and/or 349; 12-14 hours of AGR electives; and one of the following options:

Options:

Agricultural Mechanics ..... **11 hours**
AGR 272, 362, 383, and 394.

Dairy Herd Management ..... **10 hours**
AGR 270 and 380.

Livestock Management ..... **11-12 hours**
AGR 125, 126, 321; and 327, 328, or 332.

Supporting Course Requirements ..... **21 hours**
ATO 100, six hours of English composition*, three hours of general education humanities*, three hours of general education social science*, three hours of general education natural science*, one hour of general education elective*, and four hours of restricted electives.

Total Curriculum Requirements ..... **64 hours**

Technical Ornamental Horticulture

ASSOCIATE OF SCIENCE

Major Requirements ..... **43 hours**

Core:
AGR 210, 213, 215, 304, 308, OHO 131, 132, 349 (4); seven hours of OHO electives, and one of the following options:

Options:

Floriculture and Floristry ..... **12 hours**
OHO 362E, 364, 388, 389; and 384 or 385.

Landscape Horticulture ..... **12 hours**
OHO 261, 262; 370 or 391; and 371 or 372.

Turf Management ..... **12 hours**
OHO 261 or 262; 351, 352, and 370.

Supporting Course Requirements ..... **21 hours**
ATO 100, six hours of English composition*, CHE 101*, three hours general education humanities*, three hours general education social science*, and four hours of restricted electives.

Total Curriculum Requirements ..... **64 hours**

Pre-Veterinary Medicine

The Eastern Kentucky University program in pre-veterinary medicine is administered by the Department of Agriculture. Although Kentucky does not have a school of veterinary medicine, the state participates as a member of the Southern Regional Educational Board plan under which legal Kentucky residents attend Auburn University School of Veterinary Medicine or Tuskegee Institute School of Veterinary Medicine. The program is funded by an appropriation of the General Assembly to the Kentucky Council on Public Higher Education.

A limited number of students who are legal residents of Kentucky and have completed pre-veterinary requirements are selected by Auburn (34 positions) or Tuskegee Institute (two positions) each year to enter professional training in veterinary medicine at the respective schools. Students enter the four-year program of the veterinary school at the beginning of the fall term and are approved for succeeding years so long as normal progress is made toward the degree in veterinary medicine. These students are exempt from out-of-state tuition at Auburn. Selection is on a competitive basis with the final selection being made by a committee composed of faculty members from each of the respective schools.

Each of the two transfer schools have essentially the same entrance requirements and each requires a minimum grade point average of 2.5 on a 4.0 scale. Tuskegee also requires results from the VAT before acceptance. Students should work closely with the pre-vet advisor concerning their program and should have a grade point average of 3.0 to be competitive.

All course work must be completed by June 15 prior to fall admission to the school of veterinary medicine. A grade of "D" in any required course is not accepted. Substitution of courses must be approved by the veterinary school to which application is to be made. All course requirements must be met and courses in organic chemistry and physics must have been completed within six years of entry into the School of Veterinary Medicine.

Application to veterinary schools under the Kentucky program is made beginning in the fall of the year preceding that of admission. The application deadline is October 15. Students should follow application instructions regarding updating of their transcripts and course work at the school to which they apply. Students should work closely with the pre-veterinary advisor in making certain that all requirements are met. There are some specific alternatives depending on a student's background.

Because of the large number of applications and limited number of acceptances the student should choose a secondary career goal.

A pre-vet student at Eastern has the following alternatives while proceeding through the program of study:

1. Complete the pre-vet curriculum in three years and apply for admission into a school of veterinary medicine. Students may receive a B.S. degree from Eastern by transferring credits from the first year of veterinary school back to Eastern and by completing all general education/University requirements.
2. Earn a B.S. degree at Eastern with an agriculture, biology, chemistry, or other appropriate major during the fourth year after completing the pre-veterinary curriculum.
3. At any time, change from the pre-veterinary curriculum to the above majors and graduate with a B.S. degree with no loss of credit.

Students are expected to gain practical large animal experience during the course of pre-vet study, either on the University farm or with a D.V.M. The pre-vet advisor can assist in arranging for this experience.

The following curriculum may be completed in three years after which the student is then eligible to apply for admission to Auburn or Tuskegee.

ATO 100, AGR 372A, 421, BIO 141, 211, CHE 111, 112, 361, 362, 366, 367; six hours electives selected from AGR 125 and 126, 321, 373, 374, 375, 376, BIO 315, 320, 342, or 348; ENG 101, 102 (or 105 or HON 105); ENG 300 or 301; GSS 246, 247 or HIS 231, 232; MAT 261, PHY 131, 132; PHI 100 or 130; and three hours in general education areas 07, 09, and 12. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

Total Curriculum Requirements .....80 hours

Course Descriptions

AGR—Agriculture

110 An Introduction to American Agriculture. (2) A. The agriculture industry in the United States from significant past events to current status. Complexities of laws and regulations and their influence on the farmer's ability to produce for U.S. and World Markets.

125 Principles of Animal Science. (3) I. Corequisite: AGR 126. Management and production of livestock enterprises; types, market classes, and grades of beef cattle, sheep and swine, and the breeds and products of dairy cattle.

126 Animal Science Laboratory. (1) I. Corequisite: AGR 125. Applied principles in the proper handling, restraint, and management techniques in beef, dairy, sheep, swine, and horses.

130 Principles of Agronomy. (3) I. Corequisite: AGR 131. Principles of plant growth, reproduction, crop-soil relationships. Provides foundations of information for further study in field crop production and soil management.

131 Agronomy Laboratory. (1) I. Corequisite: AGR 130. Laboratory and field experiences related to plant growth, development, and management of agronomic resources.

210 Agricultural Measurements. (2) A. Measuring and computing areas of land, volumes and capacities of buildings, and feed structures, spray mixtures, fertilizer needs, parts per million, feed rations and other measurement situations encountered on the farm. Majors must take AGR 210 during the first 60 hours of course work or credit will not be awarded. Transfer students must take AGR 210 during their first semester after declaring a major.

213 Principles of Agricultural Mechanics. (4) I, II. Principles of operation, maintenance, and repair of gasoline engines and electrical motors; basic electrical circuits and electrical controls for agricultural mechanization systems and power requirements for agricultural structures; theoretical and practical experience.

215 Principles of Soils. (3) I, II. Prerequisite: CHE 101. Soil origin, classification and properties, soil conservation, soil microorganisms, organic matter, soil water, soil minerals, lime commercial fertilizers, soil erosion, soil management.

225 Evaluation and Selection of Livestock. (3) II. An evaluation of dairy cattle, beef cattle, swine and sheep; use of records, body type ratings, and carcass information as they relate to functional anatomy and efficiency of production; sire selection and pedigree interpretation.

242 Safety Practices and Agriculture Equipment Operation. (3) A. The study of safety for effective use of equipment and supervised practice, using new equipment that could be expected to be found on a well equipped farm.

250 Light Horse Production and Management. (3) A. History and role of equine industry, breeds of horses and ponies for work and pleasure, includes management, breeding, pests, and care of horses.

270 Farm Dairy Production. (5) II. The dairy cow and her requirements in meeting her potential milk production; principles of milk production; basic practices of feeding, sanitation, housing, dairy cow selection, and production records.

272 Principles of Agricultural Machinery. (3) II. Selection, operation, and maintenance of agricultural machinery used in the production and processing of agricultural products. Student experiences assembling different types of new farm machinery and reconditioning old machinery.

293 Livestock Herdsmanship. (3) A. Basic herd skills and techniques. Student receives experience in grooming, dehorning, castration, artificial insemination, branding, tattooing, vaccination, blood sampling, implanting, performance testing, records, sanitation practices, etc.

300 Travel Study in Agriculture Technology. (3-6) A. A travel course for groups and individuals in agriculture and horticulture to study new and emerging technologies in agriculture and horticulture, structural organizations of agricultural enterprises, and professional and interpersonal relationships. May be retaken once.

301 Directed Work Experience. (1-4) I, II. Cross listed as OHO 301. A minimum of three hours per week per hour of credit using university or other approved facilities. Credit will not be awarded to students who have credit for OHO 301.

302 Directed Work Experience - Management Practicum. (3) I, II. Student will schedule nine hours of work per week during the semester on a university farm to practice management and production skills related to a livestock herd or machinery operations. Options may be taken to a maximum of 12 hours.

302A Agricultural Mechanization Option.
302B Beef Cattle Option.
302C Swine Option.
302D Dairy Cattle Option.
302E Crops Option.
302F Sheep Option.

304 Pest Management. (4) II. Identification of the principal agriculture and horticulture insect disease and weed pests in Kentucky. Control measures are identified with special emphasis on the safe use of chemicals and equipment calibration.

308 Introduction to Agribusiness. (3) I. Agribusiness environment involved in farm production including principles of farm business management; role of agriculture in the economy, agriculture organizations, and land utilization.

310 Principles of Agribusiness Management. (3) II. Prerequisite: AGR 308. Organization and operation of the farm related agricultural business with emphasis on budgeting, enterprise selection, financial statements, and resource management. Includes microcomputer applications and survey of government regulations that are applicable to topic.

312 Advanced Crops; Forage Crops. (3) II. Prerequisites: AGR 130 and 131. Cultural practices and principles of forage crops, especially grasses and legumes suited to Kentucky farms.

315 Technical Soils Laboratory. (2) I, II. Prerequisite: AGR 215. A soils skill course, recognizing physical characteristics of soils, study of soil types, reading a soil survey map, soil sampling and testing, determining amounts of lime and fertilizer, and applying soil conservation practices.

317 Soil Classification and Morphology. (2) A, I. Prerequisite: AGR 215. Comprehensive soil survey system, identifying physical and chemical properties of the epipedons and subhorizons of the soil profile and assigning classification designations.

318 Soil and Water Relationships. (2) A, I. Prerequisite: AGR 215. Characteristics and behavior of soil water, vapor, and liquid losses of soil water, practices amending the soil water regime, erosion control, and irrigation.

321 Feeds and Feeding. (4) I. Feeds used in livestock feeding; including harvesting, storage, feeding characteristics, and ration formulation from these feedstuffs.

324 Beekeeping Methods. (3) II. Establishing an apiary, maintaining and increasing bee colonies, utilizing bees for pollination, methods of handling bees safely, harvesting and processing honey.

325 Beekeeping Laboratory. (2) A. A course designed to develop skills in beekeeping, harvesting, and extracting honey, and general bee maintenance.

327 Beef Production. (4) I. Prerequisites: AGR 125, 126, and 321. History, importance, and trends associated with the beef cattle industry; systems of selecting, breeding, feeding, marketing, and management of beef cattle.

328 Swine Production. (4) A. Prerequisites: AGR 125, 126, and 321. History, importance, and trends associated with the swine industry; systems of selecting, breeding, feeding, marketing, and management of swine.

330 Meat Identification and Consumer Evaluation. (2) A. Principles of grading, cutting, identifying, pricing, and consumer evaluation of poultry, beef, pork, and lamb cuts, and related products.

332 Poultry Production and Management. (3) A. History and importance of the poultry industry, breeds, breeding, feeding, and management in the layer and broiler industry.

340 Conservation of Agricultural Resources. (3) A. Conservation of soils and their fertility, erosion and control, soil conservation methods for individual farms, water supply and distribution, problems of water and air pollution, problems resulting from the population explosion.

345 Sustainable Agroecosystems. (3) A, I. Prerequisites: any course in chemistry, AGR 130, and 131; or OHO 131 and 132 or BIO 131. A comprehensive study of new technology related to crop, and pest management practices which could enhance economic returns, environmental quality, and the resource base for the short and long term.

349 Cooperative Study in Agriculture. (1-8) A. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

350 Agricultural Marketing. (3) A. Prerequisites: AGR 308 and ECO 230. A functional approach to the distribution and sales of agricultural products with emphasis on the agricultural input, production, and processing-manufacturing sectors. Includes study of supply, demand, agricultural commodity markets, market information, and government regulations.

362 Hydraulic Systems. (2) A. A study of basic principles of hydraulic systems and their application to agricultural and turf equipment. Lab experiences will provide familiarity and practice with equipment.

372 Topics and Laboratories in Animal Science. (1-2) A. May be taken to a maximum of two hours, provided the topics are different.

372A Feeds and Feeding Laboratory.

372F General.

373 Animal Diseases. (3) I. Prerequisite: six hours of animal science. Treatment, prevention, and eradication of infectious and parasitic disease of farm animals.

374 Genetics of Livestock Improvement. (3) II. Prerequisite: six hours of animal science. Applied genetic principles of improving farm animals including crossbreeding, inbreeding, and other mating plans.

375 Reproduction and Artificial Insemination of Domestic Animals. (3) A. Prerequisite: six hours of animal science. Reproductive systems, study and practice of artificial insemination, and pregnancy diagnosis of domestic animals.

376 Anatomy and Physiology of Domestic Animals. (3) A. Prerequisite: six hours of animal science. Fundamental physiological processes of livestock relating to production, nutrition, and diseases.

380 Technical Management of Dairy Cattle. (5) I. Prerequisites: AGR 270 and 321. A continuation of AGR 270 with greater emphasis on herd management, feeding systems, sanitation, and disease control; planning housing facilities, producing quality forages and pastures, herd improvement.

383 Diesel Power Systems. (3) I. Study of the operation, maintenance, and repair of agricultural diesel powered systems; includes electrical systems, fuels, injection pumps, and nozzles; laboratory practice.

394 Agricultural Equipment Management. (3) A. Selection of equipment on the basis of capacity, efficiency, power and fuel requirements, fixed and variable costs. Product presentation based on user needs and interests; organization of agricultural equipment dealerships.

409 Agriculture Business Records and Analysis. (3) I. Management and analysis of record systems for decision support involving organization, enterprise selection, and operation of agricultural and horticultural businesses.

410 Special Problems Seminar. (1-3) I, II. Cross listed as OHO 410. Students choose a problem and work under the supervision of the instructor in the field of the problem. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Credit will not be awarded to students who have credit for OHO 410.

411 Seminar on Emerging Agricultural Technology. (1) I, II. Students are assigned an oral presentation on a topic designed to evaluate their resourcefulness and understanding of basic agriculture and horticulture principles.

416 Soil Fertility. (3) A. Prerequisite: AGR 215. Various soil amendments including lime, organic and inorganic fertilizers, and conditioners are studied and evaluated for their effect on the physical, chemical, and biological properties of soils and subsequent crop yields.

421 Animal Nutrition. (3) II. Prerequisites: AGR 321 and chemistry. Principles of nutrition basic to modern livestock feeding; symptoms of nutrient deficiencies, nutritional disorders, metabolism of nutrients, feed additives, and modern methods of feed preparation and feeding.

440 Agricultural Financing. (3) II. Uses and types of agricultural credit, credit institutions, and relating credit needs to farm enterprises.

501 Special Problems in Agriculture. (3) A. A course for exceptional seniors involving independent study and research related to problems of a theoretical and/or practical nature. May be retaken to a maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

570 Advanced Technical Agriculture: ____. (3) A. Advanced study of agriculture with emphasis on updating, understanding, and developing competency in recent technology. May be retaken to a maximum of nine hours provided the topic varies.

577 Workshop in the Conservation of Natural Resources. (3) A. For teachers returning for graduate work. Instruction is given in the areas of soil, water, fish and wildlife, forest conservation, and methods of teaching related units at the elementary and junior high level.

GRADUATE COURSES

701 Special Problems in Agriculture. (3) A.

770 Advanced Technical Agriculture: ____. (3) A.

777 Workshop in the Conservation of Natural Resources. (3) A.

807 Advanced Technical Study in Agriculture Problems. (1-3) A.

OHO—Ornamental Horticulture

131 Principles of Horticulture. (3) I. Corequisite: OHO 132. Introduction to the major divisions of horticulture with emphasis on plant growth, propagation, reproduction, and soil-water relationships. Exploration of the various phases of horticulture and the related employment opportunities in the industry.

132 Horticulture Laboratory. (1) I. Corequisite: OHO 131. Laboratory, greenhouse, and field work which applies the principles of nursery, turf, and greenhouse management taught in the classroom.

261 Selection and Use of Deciduous Trees and Shrubs. (3) I. Characteristics of identification and criteria for landscape use of perennials, deciduous tree, and shrub cultivars adapted to Kentucky.

262 Selection and Use of Evergreen Trees and Shrubs. (3) II. Characteristics of identification and criteria for landscape use of tree and shrub cultivars adapted to Kentucky.

283 Bedding Plant Production. (3) II. Cultural practices of propagation and growing annuals and perennials to outdoor planting size, using structures and facilities necessary for production. Students will propagate and produce bedding plants and prepare outdoor plantings.

301 Directed Work Experience. (1-4) I, II. Cross listed as AGR 301. A minimum of three hours per week per hour of credit using university or other approved facilities. Credit will not be awarded to students who have credit for AGR 301.

302 Directed Work Experience - Management Practicum. (3) I, II. Nine hours of work per week during the semester in the greenhouses, nursery, landscape, or turf areas involving management and production skills.

349 Cooperative Study in Horticulture. (1-8) A. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

351 Principles of Turfgrass Production. (4) I. Prerequisite: AGR 215. The establishment and maintenance of greenspaces utilizing turfgrass species and cultivars adapted to variable intensities of culture. Relationships of environmental factors and cultural practices are emphasized.

352 Horticulture Equipment. (2) A. The selection, operation, and maintenance of equipment and engines used in establishing and maintaining landscape, nursery, and greenhouse areas.

354 Irrigation Systems. (2) I. An introduction to irrigation systems, their design and installation for efficient water utilization in crop production and maintenance. Overhead, drip, and subirrigation systems are evaluated.

362 Topics in Landscape Gardening. (1-6) A. Students may enroll up to six times for a total of six hours.

362A Home Landscape Option.

362D Disease and Insect Control Option.
362E Floral Design Option.
362F Lawn Establishment and Maintenance Option.
362G Problems of Golf Course Operation Option.
362K Interior Plantscaping Option.

363 Retail Florist Operation. (3) A. Prerequisite: OHO 362E or prior floral design experience. The study of floral businesses as related to locating, starting, and operating a retail floral establishment.

364 Advanced Floral Design. (2) A. Prerequisite: OHO 362E. The study and practice of advanced floral design techniques; includes construction of conventional and contemporary floral designs. 1 Lec/2 Lab.

370 Landscape Operations Management. (3) II. Prerequisite: AGR 215. Management of labor, estimating and bidding along with basic maintenance of trees, shrubs, and herbaceous plants in the landscape operation.

371 Nursery Production Technology. (3) I. Formerly OHO 271. Prerequisites: AGR 215, OHO 131, and 132. Production and wholesale marketing techniques of woody and herbaceous ornamental plants including site selection, growing procedures, and shipping. Students work in the University nursery and develop business record keeping systems with the use of microcomputers.

372 Nursery Retail Technology. (3) A. Prerequisites: OHO 131 and 132. The design, development, and management of a retail nursery outlet primarily a retail nursery garden center. Students will develop a model retail business including all phases of applied sciences such as business record keeping, with the help of microcomputers.

373 Fruit Production. (3) A. Prerequisite: AGR 215. Planning, planting, and growing fruits. Pruning, training, fertilizing, controlling pests, and harvesting for quality of bush and tree fruits.

384 Greenhouse Floral Crops. (3) A. The study of specialized greenhouse floral crops and methods of producing them; includes bed and container growing production cycles to meet peak demands and marketing techniques.

385 Production of Foliage Plants. (3) A. Identification of green foliage plants, usually called houseplants; propagation techniques, rooting mediums, disease and insect control, and arranging plants in planters and baskets for marketing.

386 Vegetable Production. (3) A. Prerequisite: AGR 215. Vegetable growth and development, growing from seed, managing soils, planting, mulching, controlling pests, harvesting, handling, marketing, and storing of most vegetable crops.

388 Greenhouse Operation and Management. (3) II. Prerequisite: OHO 283, 384, 385, or 386. Plant propagation and growing techniques in a greenhouse. The student learns operation procedures and the economics of operating a greenhouse and using cold and hot frames.

389 Greenhouse Management Practicum. (3) I, II. Prerequisite: OHO 388. Management of the greenhouse; students work nine hours per week in the greenhouses to practice management and production skills.

391 Landscape Methods and Related Businesses. (3) I, II. Prerequisite: OHO 261 or 262. Elements of design and the execution of the landscape architect plan. Additional emphasis will be placed on occupations related to ornamental horticulture including industrial grounds management.

392 Advanced Landscape Techniques. (3) II. Prerequisite: OHO 391 or equivalent. Designing and estimating techniques applied to real and practical landscape projects. Students will draw in ink and develop project cost estimates with the use of a microcomputer.

410 Special Problems Seminar. (1-3) I, II. Cross listed as AGR 410. Students choose a problem and work under the supervision of the instructor in the field of the problem. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Credit will not be awarded to students who have credit for AGR 410.

GRADUATE COURSE

807 Advanced Technical Study in Horticulture Problems. (1-3) A.

DEPARTMENT OF

HUMAN ENVIRONMENTAL SCIENCES

S. Willis, Chair; Blackwell, Burkhart, Butts, Kipp, Kubiak, Maupin, McCarthy, Powers, Ramsey, Snarr, Spencer, Springate, Sutton, Vachon, Wilson.

The Department of Human Environmental Sciences offers general and specialty programs leading to Bachelor of Arts, Bachelor of Science, Associate of Arts, and Associate of Science degrees. Graduates of this department qualify for a variety of professional positions in education, government, business, military, and industry.

Curricula requiring an area major are: child and family studies, clothing construction and design, dietetics, fashion merchandising, general home economics, home economics education, and interior design. The first major in foodservice administration requires a minor in business.

Students majoring in other departments may elect a second major or minor in a specialty field in home economics. Area majors in the Department of Human Environmental Sciences may elect a minor in a specialty field.

Two Associate of Science degree programs are offered: child care and nutrition care management. An Associate of Arts degree is offered in interior design assistant. Courses completed in an associate degree program may be credited toward meeting requirements in the corresponding baccalaureate level major.

Students following an area major of concentration, first or second major, minor, or associate degree program must maintain a "C" average in departmental courses (CDF, HEC, IDH, NFA, and TCF prefixes).

Students in baccalaureate degree programs must complete six hours of departmental core courses: CDF 132 or HEC 132 and HEC 352, if not included in the major requirements.

CHILD AND FAMILY STUDIES PROGRAM

The child and family studies major educates students to fill a variety of occupations in human service fields involving children and their families. Such opportunities exist in early childhood and day care programs, adult education centers, and in social service and governmental agencies.

Child and Family Studies

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 30 hours
CDF 244, 245, 247, 348, 350, NFA 317, NSC 500, OTS 515, and SWK 456.

Home Economics Core ..... 6 hours
CDF 132 or HEC 132; and HEC 352.

Options ..... 37-40 hours

Family Studies ..... 37 hours

Supporting Course Requirements ..... 18 hours
CDF 232 or 331; 241, 342 or 441; 344, 346 or 547; 538 or 548; SED 104, and 518.

Electives ..... 19 hours

Interdisciplinary Early Childhood (Birth through Five) ..... 40 hours

Supporting Course Requirements ..... 12 hours
CDF 232, 241, 344, and 547.

Special Education Minor ..... 18 hours
SED 104, 341, 352, 360, 436, and 518.

Professional Courses ..... 10 hours
EDF 102, 202, 317, and ELE 519.

General Education Requirements ..... 46 hours
Standard General Education Program. Refer to Part Three of this *Catalog* for details on the General Education and University Requirements.

University Requirements ..... 9 hours
ATO 100 and eight hours of restricted electives.

Total Curriculum Requirements ..... 128-131 hours

CLOTHING CONSTRUCTION AND DESIGN PROGRAM

The clothing construction and design graduates may start as assistant designers or pattern makers for apparel manufacturers. Other career opportunities exist with pattern and notion companies, in theatrical costume design, and in fashion illustration. Free-lance design and consulting are options as well.

Clothing Construction and Design

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **57 hours**
TCF 100, 102, 201, 203, 218, 222, 301, 305, 310, 312, 313, 410, 411, 412, 415, 510, ART 100, 101, and THE 320.

Home Economics Core ..... **6 hours**
CDF 132 or HEC 132; and HEC 352.

Supporting Course Requirements ..... **8 hours**
CHE 101 and 102.

General Education Requirements ..... **37 hours**
Standard General Education Program, excluding course categories 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University Requirements.

University Requirements ..... **9 hours**
ATO 100 and eight hours of restricted electives.

Free Electives ..... **11 hours**

Total Curriculum Requirements ..... **128 hours**

GENERAL DIETETICS PROGRAM

A 2+2 program in dietetics provides continuity so that a student completing the two-year program may continue into the four-year program, provided the student meets academic requirements. All students in the dietetic programs (two- and four-year) take the same courses during the first two years. The general dietetics program is an American Dietetic Association approved program and features early exposure to professional dietetic courses in didactic and clinical settings. Before entering the four-year program, students must have applied and been approved by a majority of NFA faculty for admission to the general dietetic program. Prior to approval, no 400 or 500 level course in the major may be taken. Criteria for admission to the program include: (1) have no grade in NFA course less than a "C"; (2) have a minimum overall grade point average of 2.5 on a 4.0 scale; and (3) have completed a minimum of 60 semester hours.

General Dietetics (2+2)

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **50-51 hours**
HEC 303, NFA 121, 201, 202; 301 or CHE 330; NFA 302, 317, 321, 323, 325, 326, 344, 345, 349 (1), 445, 501, 502, 503, 511, 512, and 515 (2).

Home Economics Core ..... **6 hours**
CDF 132 or HEC 132; and HEC 352.

Supporting Course Requirements ..... **33-34 hours**
BIO 171; BIO 273 or EHS 380; BIO 301, CHE 101, 102, STA 215; CIS 212 or CSC 104; MGT 300, PSY 202, AHN 105; and SOC 131, ANT 120, or GSS 142.

General Education Requirements ..... **28 hours**
Standard General Education program, excluding course categories 04, 09, 13, 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University Requirements.

University Requirements ..... **9 hours**
ATO 100 and eight hours of restricted electives.

Free Electives ..... **0-2 hours**

Total Curriculum Requirements ..... **128 hours**

FASHION MERCHANDISING PROGRAM

The fashion merchandising majors gain on-the-job experience at the sophomore level through the cooperative education program and as seniors in a fashion merchandising practicum. Graduates may be placed in executive training programs in large retail stores, as sales representatives for apparel manufacturers, in managerial positions in specialty stores or work as free-lance wardrobe consultants.

Fashion Merchandising

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **57 hours**
TCF 100, 201, 218, 301, 313, 319, 339, 349**, 413, 414; nine hours from TCF 102, 222, 310, 410, 415, or 510; ACC 201; and nine hours from MGT 300, 330, 480, MKT 300, 310, 315, 320, or COM 325.

Home Economics Core ..... **6 hours**
CDF 132 or HEC 132; and HEC 352.

Supporting Course Requirements ..... **11 hours**
CHE 101, 102, and ECO 230.

General Education Requirements ..... **37 hours**
Standard General Education program, excluding course categories 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University Requirements.

University Requirements ..... **9 hours**
ATO 100 and eight hours of restricted electives.

Free Electives ..... **8 hours**

Total Curriculum Requirements ..... **128 hours**

**TCF 349—two hours at sophomore level.

GENERAL HOME ECONOMICS PROGRAM

The major in general home economics is designed for students who have a general interest in home economics and for certain professional preparation. The general home economics major offers four areas of concentration within the major for positions with the Cooperative Extension Service, business, or related fields. An optional minor in public relations offered by the Department of Mass Communication may be chosen as part of the free electives.

General Home Economics

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **44 hours**
HEC 349** (2), 353, 453, and 18 hours in each of two areas of specialization in home economics.***

Areas of Specialization

Child Development and the Family
CDF 232 or 331; 241, 244; 245 or 344; 247, and 342 or 348.

Home Economics and Interior Design
HEC 351, IDH 121, 250, 320, 321, and TCF 302.

Nutrition and Foodservice Administration+
NFA 121, 201, 321; and nine hours from NFA 301, 302, 304, 317, 323, 325/326, 344, 345, 445, 501, 505, 507, 509, or 511/512.

Textiles, Clothing, and Fashion
TCF 100, 102; 201 or 302; and nine hours electives from TCF 203, 218, 222, 305, 312, 313, 411, or 412.

Home Economics Core ..... **6 hours**
CDF 132 or HEC 132; and HEC 352.

Supporting Course Requirements ..... **4 hours**
CHE 101.

General Education Requirements ..... **42 hours**
Standard General Education program, excluding course category 14. Refer to Part Three of the *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
ATO 100 and eight hours of restricted electives.

Free Electives** ..... **23 hours**

Total Curriculum Requirements ..... **128 hours**

**Students' employment should be congruent with one area of specialization.

***Home economics specialization to be fulfilled through completion of a minimum of 18 hours in each of two areas of specialization.

****With optional 18 hour public relations minor, five hours of free electives.

+Note: Students selecting nutrition and foodservice administration must complete course prerequisites before enrolling in NFA courses.

HOME ECONOMICS EDUCATION PROGRAM

The home economics education program leads to a Bachelor of Science degree and certifies qualifying graduates to teach vocational home economics at the secondary and middle school levels.

In order to be admitted to the teacher education program, students must have a minimum 2.5 grade point average. The grade point average required for student teaching is a minimum 2.5 overall.

Home Economics Education

(TEACHING)
AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **33 hours**
CDF 244; CDF 241, 331, or 342; HEC 353, 453, IDH 250, 320, NFA 121, 201, 321, TCF 102, and 201.

Home Economics Core ..... **6 hours**
CDF 132 or HEC 132; and HEC 352.

Home Economics Electives ..... **9 hours**

Supporting Course Requirements ..... **12 hours**
BIO 301, 378, CHE 101, and 102.

Teacher Education Requirements ..... **32 hours**
EDF 102, 202, 317, EMG 447, ESE 366, 453, 498, and 499.

General Education Requirements ..... **34 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
ATO 100 and eight hours of restricted electives.

Total Curriculum Requirements ..... **135 hours**

In addition, the student shall complete 1,000 hours in approved work experience in homemaking and home economics related occupations and complete the competency examinations and the National Teachers Examination (NTE).

INTERIOR DESIGN PROGRAM

A graduate of the interdisciplinary Bachelor of Arts interior design program is qualified for employment as an apprentice designer with interior design firms, architectural firms, and design specialists in all areas, either residential or contract. With two years of experience in the interior design field, the graduate will be eligible to take the National Council of Interior Design Qualification Examination.

Interior Design

AREA MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **67 hours**
IDH 121, 221, 222, 322, 326, 327, 328, 329, 330, 331, 422, 426, 428**; TEC 194, 332, 391, 394, 496; one hour from OHO 362A, 362E, or 362K; TCF 302, ART 102, and 103.

Home Economics Core ..... **6 hours**
HEC 132 and HEC 352.

Supporting Course Requirements ..... **9 hours**
ART 390, 391, and three hours from ACS 254, MGT 220, or MKT 200.

General Education Requirements ..... **40 hours**
Standard General Education program, excluding course categories 07 and 08. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
ATO 100 and eight hours of restricted electives.

Total Curriculum Requirements ..... **131 hours**

**Students must have a minimum 2.25 GPA and a minimum 2.6 GPA in the major to enroll in IDH 428. Students not meeting these requirements will take other IDH electives or repeat IDH required courses to meet these criteria.

FOODSERVICE ADMINISTRATION PROGRAM

The foodservice administration program is a Bachelor of Science Degree with a required minor in business. Students are prepared as competent professionals in the foodservice industry. Graduates may be employed in such areas as school lunch programs, foodservice companies, restaurants, private industry, catering, hotel foodservice, and numerous other possibilities. Graduates of this program have not met the academic requirements of the American Dietetic Association.

Foodservice Administration

FIRST MAJOR (BACHELOR OF SCIENCE)
(with a required minor in Business)

Major Requirements ..... **33 hours**
HEC 303, NFA 121, 201, 321, 323, 325, 326, 344, 345, 349 (3), 445, and 556 (2).

Home Economics Core ..... **6 hours**
CDF 132 or HEC 132; and HEC 352.

Supporting Course Requirements ..... **24 hours**
BIO 301, 378, CHE 101, 102, CIS 230, EHS 380, PSY 202, and STA 215.

Business Minor Requirements ..... **21 hours**
ACC 201, ECO 230, 231, MGT 300, MKT 300, and six additional hours of upper division business courses.

General Education Requirements ..... **25 hours**
Standard General Education program, excluding course categories 03, 09, 12, 13, 14, 15, and 16. Refer to Part Three of

the *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
ATO 100 and eight hours of restricted electives.

Free Electives ..... **10 hours**

Total Curriculum Requirements ..... **128 hours**

SECOND MAJOR IN SPECIALTY FIELD OF HOME ECONOMICS

A student with a major outside the Department of Human Environmental Sciences may pursue a second major in a specialty field of human environmental sciences by completing major requirements and supporting course requirements approved by the department chair and the Dean of the College of Applied Arts and Technology.

MINORS IN HUMAN ENVIRONMENTAL SCIENCES

Departmental majors may complete, in addition to major requirements, 18 hours in a specialty other than the major upon approval by the advisor, department chair, and Dean of the College of Applied Arts and Technology.

Non-departmental majors may minor in areas of human environmental sciences by completing the prescribed sequence.

Minor in Child and Family Studies ..... **18 hours**
CDF 132; six hours selected from CDF 241, 244 or 342; CDF 247; and six hours CDF electives.

Minor in Clothing ..... **21 hours**
TCF 102, 201, 203, 218, 313, and six hours from TCF 222, 305, 310, 312, 411, 412, 415, or 510.

Minor in Fashion Merchandising ..... **21 hours**
TCF 100, 201, 218, 313, 319, 339, and 413.

Minor in Foodservice Administration ..... **18 hours**
NFA 121, 201, and 12 hours selected from NFA 323, 325, 326, 344, 345, or 445.

Minor in General Home Economics ..... **18 hours**
HEC 351, 352, IDH 250, 320, NFA 121, and TCF 102.

Minor in Interior Design ..... **18 hours**
IDH 121, 222, 250, 320, TCF 302, and TEC 190.

Minor in Nutrition ..... **18 hours**
NFA 121, 201, and 12 hours selected from NFA 301, 302, 317, 501, 502, 503, 505, 507, 509, 511, or 512.

Minor in Textiles ..... **18 hours**
TCF 201, 218, 301, 302, 410, and three hours approved TCF electives.

CHILD CARE PROGRAM

The Associate of Science in child care degree is designed for persons desiring academic preparation to teach or assist in programs for preprimary age children (birth through five). Such programs include day care, Head Start, nursery schools, private kindergartens, and after-school programs. These individuals may also work in a variety of family service settings.

Child Care

ASSOCIATE OF SCIENCE

Major Requirements ..... **33 hours**
CDF 132, 241, 244, 245, 247, 344, 348, 350, NFA 317, and three hours from CDF 232, 331, or 342.

Supporting Course Requirements ..... **32 hours**
ATO 100; BIO 300* or 317*; PSY 202, SED 104, SPE 100*, six hours of English composition*, six hours of general education social science* (three hours from course categories 09 and three hours from 10 or 11), three hours general education humanities*, and four hours restricted electives.

Total Curriculum Requirements ..... **65 hours**

NUTRITION CARE MANAGEMENT PROGRAM

Nutrition care management is an Associate of Science degree option of dietetic technology. The curriculum integrates clinical and didactic components of nutrition care, preparing graduates to work under the supervision of registered dietitians in hospitals, nursing homes, and other health-oriented agencies.

Nutrition Care Management

ASSOCIATE OF SCIENCE

Major Requirements ..... **30 hours**
HEC 303, NFA 121, 201, 202, 302, 317, 321, 325, 326, 344, 345, and 349 (1).

Supporting Course Requirements ..... **41 hours**
ATO 100, BIO 171*, 301*, CHE 101*, 102*, six hours of English composition*, three hours general education humanities*; STA 215, CIS 212, or CSC 104; AHN 105, MGT 300, PSY 202; SOC 131, ANT 120, or GSS 142*; and four hours restricted electives.

Total Curriculum Requirements ..... **71 hours**

INTERIOR DESIGN ASSISTANT PROGRAM

A graduate of the Associate of Arts degree program in interior design assistant may (1) be employed as an assistant to an interior designer, (2) be hired by retail stores as a consultant to consumers in the furniture, draping, and houseware areas, or (3) be self-employed. Other students will select this program for personal benefit.

Interior Design Assistant

ASSOCIATE OF ARTS

Major Requirements ..... **42 hours**
IDH 121, 221, 222, 322, 326, 327, 328, 330, 331, TCF 302, TEC 194, 391, 394; and ART 102 or 103.

Supporting Course Requirements ..... **25 hours**
ART 390*, 391*, ATO 100, six hours of English composition*, HPR 180*, 282*, MAT 106*, three hours general education social science*, and four hours restricted electives.

Total Curriculum Requirements ..... **67 hours**

GRADUATE PROGRAMS

The Department of Human Environmental Sciences offers the Master of Science degree in community nutrition which is designed to prepare professionals for nutrition positions in a variety of community health agencies.

The Master of Arts in Education degree with an option in home economics education is offered in the College of Education with the cooperation of the Department of Human Environmental Sciences.

Course Descriptions

CDF—Child and Family Studies

132 Family Living. (3) I, II. Cross listed as HEC 132. Stages of development of the individual family members and of the family as a unit; biological, cultural, and personal accomplishments (developmental tasks) of the family throughout the life cycle will be emphasized. Credit will not be awarded to students who have credit for HEC 132 or SOC 245.

232 Identity and Sexuality. (3) I, II. An exploration of the changing attitudes about and among men/women and their effect on choices and interpersonal relationships. Emphasis will be on promotion and maintenance of positive mental, physical, emotional, and sexual development. Credit will not be awarded to students who have credit for HEA 375 or PHI 350.

241 Prenatal and Infant Development. (3) I, II. Growth and development from conception to three years.

244 Development of Preschool Child. (3) I, II. Prerequisite: CDF 241 or instructor approval. Age level characteristics and theory pertinent to the preschool child. Special emphasis on observational assessment skills and the construction of individual case studies.

245 Program Planning for Young Children. (3) I, II. Prerequisites: CDF 241 and 244; or instructor approval. Survey of learning experiences in various curriculum areas. Planning activities, including techniques and materials, to provide environment appropriate to the age and background of young children.

247 Parent Involvement with Young Children. (3) I, II. Prerequisites: PSY 201 or 202 and CDF 241 or 244. Study of effective home-school relations during the early childhood period. Methods and materials useful in working with parents. Experiences include observation of parent meetings, planning discussion groups, home visits, and parent conferences.

331 Marriage: Establishing Interpersonal Relations. (3) I, II. Prerequisite: second semester sophomore standing. Factors influencing marital adjustment, their relationship and implications for a successful life.

342 Child and Adolescent Development. (3) II. Prerequisite: CDF 241. Physical, mental, emotional, and social development of the child from school age to adolescence, case studies, observations, and participation experiences with children culturally advantaged and disadvantaged.

344 Program Planning for Infants and Toddlers. (3) A. Prerequisite: CDF 241. Current programs, techniques, and research relating to infant stimulation. Emphasis on home intervention theory and practices, screening procedures for at-risk infants, and the parent-infant dyad.

346 Assessment, Creative Materials, and Concept Development. (3) A. Prerequisites: CDF 244 and 245; or instructor approval. Survey of theories related to concept development and skills acquisition for young children. Detailed overview of materials in program planning based on informal and formal assessments of children's identified strengths and needs.

348 Introduction to Preschool Experiences. (3) I. Prerequisites: CDF 244 and 245. Examination of models of preschool education including history, goals, philosophies, materials, environments, and methods of child management. Designed to serve as preparation for practical experience in early childhood setting.

349 Cooperative Study in Child Development. (1-8) A. Prerequisite: departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit. Maximum of three hours may be counted in major requirements toward degree.

350 Preschool Experience. (6) I, II. Prerequisites: CDF 348 (or corequisite), 244, 245, 2.5 cumulative GPA, and a minimum grade of "C" in all courses with CDF prefix. Practicum in preschools focusing on structuring the environment, directing learning experiences, developing techniques for guiding young children, and arranging effective communication for parent involvement. Meetings for planning, discussing, and making decisions relative to preschool operation.

437 Families Under Stress. (3) A. Prerequisite: CDF 132 or instructor approval. A detailed examination of family functioning under crisis situations. The impact of death, divorce, middle age, unemployment, single parenthood, displacement, and disability on individual members of the family will be considered.

441 Adulthood and Aging. (3) A. Individual and familial development from young adulthood through death. Particular focus on changing family roles as members age. Emphasis on social changes affecting life satisfaction, living environments, and social relations of the middle-aged and elderly.

443 Child and Family Studies Practicum. (3-6) A. Prerequisites: CDF 350 (or instructor approval), 2.0 cumulative GPA, and a minimum grade of "C" in all courses with a CDF prefix. Supervised practicum experience in settings serving children and/or their families.

534 Parenting. (3) A. Prerequisites: CDF 132, 241, and 244 or equivalent; or instructor approval. A survey of techniques designed to promote effective parenting skills. The course will focus on methods of parent guidance and common problems encountered by parents at all stages of the child-rearing sequence.

538 Seminar in Family Life: ____. (3) A. Prerequisites: CDF 241, 244, and six hours in CDF; or instructor approval. Students will concentrate their interests in an intensive study of specific areas of the family and its interpersonal relationships. May be retaken to a maximum of six hours provided the topics vary.

547 Organization and Administration of Preschools. (3) II. Prerequisite: CDF 245. Study of the history of preschool education and its present organization and administration.

548 Seminar in Child Development: ____. (3) II. Prerequisites: CDF 241, 244, and six hours in CDF; or instructor approval. Current concepts and trends in child development, recent research, and literature. May be retaken to a maximum of six hours provided topics vary.

549 Special Problems in Child Development. (1-3) A. Prerequisites: instructor approval and a 3.0 GPA (major). May be retaken to a maximum of six hours provided topics vary. The student chooses a problem and works under the supervision of the instructor. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

550 Child and Family Studies Topics: ____. (1-3) A. Study of various topics in child and family studies selected to meet student needs and interests. May be retaken to a maximum of six hours provided topics vary.

GRADUATE COURSES

734 Parenting. (3) A.
738 Seminar in Family Life: ____. (1-3) A.
747 Organization and Administration of Preschools. (3) II.
748 Seminar in Child Development: ____. (3) II.
749 Special Problems in Child Development. (1-3) A.
750 Child and Family Studies Topics: ____. (1-3) A.
831 Relationships in Marriage and Family. (3) A.

HEC—Home Economics, General

132 Family Living. (3) I, II. Cross listed as CDF 132. Stages of development of the individual family members and of the family as a unit; biological, cultural, and personal accomplishments (developmental tasks) of the family throughout the life cycle will be emphasized. Credit will not be awarded to students who have credit for CDF 132 or SOC 245.

200 Issues in Home Economics. (2) A. Identification and analysis of past and current issues, public policy, developing trends, and the impact of technology. Examination of the philosophy and scope of home economics professions.

300 Professional Seminar. (2) A. Seminar on professional opportunities in home economics via a systematic overview of the areas of specialization and a study of their interrelationships. Introduction to techniques of preparing for interviews, writing letters of applications, resume.

303 Dissemination of Home Economics Information. (3) A. Dissemination of information for clientele in the field of home economics. Selection and utilization of resource materials in specific areas.

349 Cooperative Study in Home Economics. (1-8) A. Prerequisite: departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

351 Household Equipment. (3) A. Selection, use, and maintenance of household equipment and appliances. Fundamentals of gas and electricity; energy efficiency in the home.

352 The Family as Consumers. (3) I, II. Current consumer behavior by families in the marketplace. Emphasis on fraudulent schemes, current issues, laws, and organizations affecting the interests of the family as consumers. Credit will not be awarded to students who have credit for FIN 201.

353 Home Management. (3) A. Concepts and processes of home management as a means of achieving family goals. Effective use of human, economic, and environmental resources; work simplification principles applied to household work.

453 Home Management Experience. (3) A. Prerequisites: NFA 321, HEC 351, and 353. Students may enroll for a total of three hours credit.

550 Home Economics Topics: ____. (1-3) A. Selected topics in home economics. May be retaken to a maximum of six hours provided topics vary.

555 Seminar in Consumer Economics. (3) A. Prerequisite: HEC 352 or equivalent. Reports and discussion on topics of concern to consumers; legislation affecting consumerism; resources available to consumers; consumer rights and responsibilities.

556 Special Problems in Family Economics and Management. (1-3) A. Prerequisite: instructor approval. The student chooses a problem and works under the supervision of the instructor. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours provided topics vary.

GRADUATE COURSES

750 Home Economics Topics: ____. (1-3) A.
755 Seminar in Consumer Economics. (3) A.
756 Special Problems in Family Economics and Management. (1-3) A.

IDH—Interior Design and Housing

121 Survey of Interior Design. (3) I, II. An orientation to the profession: relationship to allied fields, contemporary developments, professional organizations, career options and philosophical approaches. Introduction to the principles and elements of design, programming, space planning, and decorative ornamentation.

221 Graphic Communication and Analysis. (3) I. Prerequisites: IDH 121 and TEC 194. Emphasis on graphic communication as part of the design process for interior designers. Integration of drawing skills and color usage employed in graphic representational methods used to analyze and describe interiors and conceptualize ideas.

222 Studio I: Visual Studies and Design Application. (3) II. Prerequisites: IDH 221, ART 102, and 103. A study of spatial organization, and design theory. Communication of design problem solutions through practical and creative application of design elements and principles.

224 Interior Materials and Components. (3) I, II. Prerequisite: IDH 121. Investigation of interior finish materials and component systems used in the design profession: their properties, performances, application and installation techniques, as well as the appropriate trade sources. 2 Lec/2 Lab.

229 Computer Applications in Interior Design. (3) I, II. Prerequisite: IDH 221. Experimentation with computer usage during the design process and the production of interior design solutions. Both graphic and word processing applications will be explored.

250 The Residential Environment. (3) A. Concepts influencing housing: family values and needs with emphasis on residential environment. Original plans include space analysis, room arrangement, equipment, storage created, considering design elements, principles, and objectives. Open only to non-IDH majors.

317 Interior Design Study Tour I. (1-3) A. Prerequisite: completion of freshman year in interior design program. A tour planned for interior design students to observe the operation of establishments involved in production, sales, and/or display of items such as furniture and accessories. Special project required.

319 Seminar in Interior Design. (1-3) A. A study of technical information relevant to interior design. Course content to be determined by student interests and needs. May be retaken to a maximum of six hours provided the content is different.

320 Furnishing the Residential Environment. (3) A. Coordination of furnishings and accessories within the contemporary residential environment; application of design elements, principles, and objectives through laboratory experiences; illustration techniques are utilized. Open only to non-IDH majors.

321 Housing Concepts. (3) A. Economics, environmental, social, and political dimensions of housing. A study of housing; norms, types, energy use, tenancy for the future. Open to non-IDH majors.

322 Studio II: Residential Design. (3) I. Prerequisites: GPA 2.5 (major), IDH 222, TCF 302, TEC 391, and 394 (TEC 391 and 394 corequisites for A.A. degree students). Programming, space planning, and study of functional and aesthetic aspects of residential environments, resulting in appropriate oral and visual presentations.

326 Studio III: Contract Design I. (3) II. Prerequisite: IDH 322. Programming, space planning, and application of design elements and principles in contract design, resulting in appropriate oral and visual presentations.

327 Historical Architecture and Interiors I. (3) II. Prerequisite or Corequisite: ART 390. Study the history and theory of architecture, interiors, furnishings of ancient and classical civilization, Middle Ages, Italian, Hispanic, Oriental, and African cultures: their design theories, significance, and application to current design.

328 Historical Architecture and Interiors II. (3) I. Prerequisite or Corequisite: ART 391. Study of the history and theory of design in architecture, interiors, furnishings of French, English, and American periods from the Renaissance through the 19th century revival styles: their design theories, significance and application to current design.

329 Environmental Control Systems. (3) I. Corequisite: IDH 322. An introduction to lighting, acoustics, HVAC systems, energy conservation, and other environmental controls. Emphasis on the theory and practical application of these systems in interior spaces. 2 Lec/2 Lab.

330 The Professional in Interior Design. (3) II. Prerequisite or Corequisite: IDH 326. Objectives, procedures, and ethics for the professional interior designer, with emphasis on professional practice.

331 Contemporary Architecture and Interiors. (3) II. Formerly IDH 324. Prerequisite: IDH 328. A study of the history and theory of architecture, interiors, furnishings, significant architects and designers of the late 19th and 20th centuries with projection for the future.

349 Cooperative Study in Interior Design. (1-8) A. Work under faculty and field supervisors in placements related to academic studies. One to eight hours per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. Minimum of 80 hours work required for each hour credit.

422 Studio IV: Contract Design II. (3) I. Prerequisite: IDH 428. Analysis, organization, and development of commercial and institutional environments resulting in functional and aesthetic design decisions.

424 Issues in Interior Design. (3) A. Prerequisite: junior standing or instructor approval. Individual and group investigation of current responsibilities and issues relevant to the field of interior design.

426 Studio V: Contract Design III. (3) II. Prerequisite: IDH 422. Advanced studio experiences in programming, space planning, historic preservation, and adaptive use in contract applications, resulting in appropriate oral and visual presentations.

428 Supervised Field Experience in Interior Design. (6) A. Prerequisites: open to IDH B.A. students only, IDH 326, 330, minimum 2.25 GPA, and 2.6 major GPA. Observation of an interior design firm's operation and program, with performance in assigned tasks under supervision. Reservations should be made a semester in advance.

517 Interior Design Study Tour II. (1-3) A. Prerequisite: completion of junior year in interior design. Tour of interior design resources, wholesale and retail showrooms. Study in museums, libraries, and interior design centers when possible. Special study projects.

519 Special Problems in Interior Design. (1-3) A. Prerequisite: senior standing or instructor approval. An appropriate problem is proposed in consultation with an advisor/instructor and completed under supervision. May be retaken to a maximum of six hours provided topics vary. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

521 Analytical Furniture Design. (3) A. Prerequisite: senior standing or instructor approval. Analysis of furniture design in terms of integration of function and style with structure; coordination of furniture style with interior architectural expression.

525 The Decorative Arts. (3) A. Furniture and accessories of the 18th, 19th, and 20th centuries with emphasis upon the influence of major designers and their interpreters, their stylistic characteristics and technical habituations.

550 Interior Design Topics: ____. (1-3) A. A course designed to offer specialized expertise in numerous areas related to the discipline of Interior Design. May be retaken to a maximum of six hours provided topics vary.

GRADUATE COURSES

717 Interior Design Study Tour II. (1-3) A.
719 Special Problems in Interior Design. (1-3) A.
721 Analytical Furniture Design. (3) A.
725 The Decorative Arts. (3) A.
750 Interior Design Topics: ____. (1-3) A.

NFA—Nutrition, Foods, and Food Administration

121 Introduction to Food Composition and Preparation. (3) I, II. Composition of foods and their properties as they affect preparation. Scientific principles of food preparation.

201 Essentials of Nutrition. (3) I, II. A scientific study of the essential nutrients and their application in meeting nutritional needs of all ages. Consideration is given to food selection, nutrition misinformation, obesity, and other common dietary problems.

202 Introduction to Dietetics. (1) I. A professional orientation course describing the roles of the practitioner in administrative, clinical, and community dietetics, along with relationships to other health professionals.

300 Socio-Cultural Aspects of Nutrition. (3) A. Social-cultural and psychological influences on the individual, community, and world nutrition. The strategies to cope with these will be explored.

301 Bio Nutrition. (3) A. Prerequisites: CHE 102 or 112; and NFA 201. Structures and chemical properties of CHO, PRO, fat and nucleic acids, vitamins, coenzymes, minerals, and water related to metabolic processes.

302 Diet Therapy. (3) A. Prerequisite: NFA 201. Basic diet therapy and its application to dietary treatment for patients. Nutrition guidance and counseling techniques. Study of specific diseases and relationship of modified diets to overall medical care and/or rehabilitation of the patient.

304 Computer Assisted Foodservice Management. (1) A. Prerequisite: NFA 345. Principles and techniques in computer usage. Systems approach, coding, inventory control, production scheduling, food cost accounting, and patient nutrient intake systems.

317 Nutrition in the Life Cycle. (3) I, II. Prerequisite: NFA 201 or instructor approval. Study of dietary needs adapted to periods of the life cycle.

321 Meal Management. (3) A. Prerequisites: NFA 121 and 201. Food management, planning, preparation, and service of meals through management of time, energy, money, and efficient use of equipment. Consideration is given to nutritional needs, food habits, and social customs of family groups.

323 Experimental Foods. (3) I. Prerequisites: NFA 121 and CHE 102 or equivalent. Experimental procedures involving methods and techniques and their effects on the quality of products; individual problems dealing with the various aspects of food preparation.

325 Quantity Food Production. (2) I. Prerequisites: NFA 121 and 321. Corequisite: NFA 326. Standards, principles, and techniques for managing throughout the functional subsystems of a foodservice setting; emphasis on quality, quantity, and cost controls.

326 Field Experiences in Quantity Food Production. (2) I. Prerequisites: NFA 121 and 321. Corequisite: NFA 325. Supervised field experience in the technical application of theory presented in NFA 325.

344 Institutional Purchasing. (3) II. Prerequisites: NFA 325 and 326. Principles and methods of purchasing foods and equipment for various types of quantity food services; emphasis on specifications and factors affecting quality; food cost control. Field trips included.

345 Foodservice Systems Management. (3) II. Prerequisites: NFA 325, 326, and MGT 300. Application of the systems approach to food service with an emphasis on middle management responsibilities related to all foodservice resources; human, material, operation, and physical.

349 Cooperative Study in Nutrition, Foods, and Food Administration. (1-8) A. Prerequisite: departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

445 Foodservice Organization and Management. (3) I. Prerequisite: NFA 345. Administrative functions within a foodservice system. Emphasis in top management responsibilities: budgeting, quality assurance, legislation, labor unions, time management, networking, conflict management, and energy conservation.

500 Nutrition Concepts and Issues. (3) A. Fundamental principles of human nutrition and their application in meeting nutritional needs of all ages. Not open to dietetic or foodservice administration majors.

501 Human Nutrition. (3) I. Prerequisites: CHE 330 or NFA 301; BIO 301, and NFA 201. Interrelations and functions of nutrients in normal nutrition; relation of nutrient requirements at the cellular level to dietary standards.

502 Therapeutic Nutrition. (2) II. Prerequisites: NFA 317; NFA 301 or CHE 330; and NFA 501 or equivalent. Corequisite: NFA 503. Theory and applications of the normal dietary patterns and specific modifications, according to disease processes. Integrates nutritional management, physiological, and biochemical alternations for pathological disorders.

503 Clinical Experience for Therapeutic Nutrition. (1) II. Corequisite: NFA 502. Supervised clinical experience in acute and long term health care facilities in which the student will participate in patient interviewing, counseling, observing, and communicating with clinical dietetic professionals, nursing and other health professionals.

505 Maternal and Infant Nutrition. (3) A. Prerequisite: NFA 201. Nutritional requirements prior to and during pregnancy, lactation, and infancy. Survey the effects of dietary toxicants, deficiency and excesses of nutrients. Field experience.

507 Child and Adolescent Nutrition. (3) A. Prerequisite: NFA 201. Nutritional needs, problems, dietary habits, and motivations of the toddler through adolescent years. Field experience.

509 Nutrition and Aging. (3) A. Prerequisite: NFA 201. The theories of causes of aging; nutritional requirements, dietary intakes and effects of nutrition on the rate of biological aging. Field experience.

511 Community Nutrition. (2) II. Prerequisite: NFA 201. Corequisite: NFA 512. Analysis of nutrition services and legislation. Survey of roles of the nutritionist in various community settings. Development of resource file and preparation of nutrition education materials for use with different population groups. Planning and conducting nutrition surveys and analysis of data.

512 Laboratory for Community Nutrition. (1) II. Prerequisite: NFA 201. Corequisite: NFA 511. Supervised field experience including observation and participation in various community programs and settings. Experiences in individual and family nutrition counseling.

515 Seminar in Nutrition. (1-3) A. Prerequisites: NFA 501 and instructor approval. Reports and discussions of current problems and research in nutrition.

516 Special Problems in Nutrition. (1-3) A. Prerequisites: NFA 501 and instructor approval. The student chooses a problem and works under the supervision of an instructor. May be retaken to a maximum of six hours provided the topics vary. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

555 Seminar in Food Administration. (1-3) A. Prerequisite: NFA 445. Reports and discussion of topics relative to the area of food administration. May be retaken to a maximum of six hours provided the topics vary.

556 Special Problems in Food Administration. (1-3) A. Prerequisite: NFA 445. The student chooses a problem and works under the supervision of an instructor. May be retaken to a maximum of six hours provided the topics vary. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSES

700 Nutrition Concepts and Issues. (3) A.
701 Human Nutrition. (3) I.
702 Therapeutic Nutrition. (2) II.
703 Clinical Experience for Therapeutic Nutrition. (1) II.
705 Maternal and Infant Nutrition. (3) A.
707 Child and Adolescent Nutrition. (3) A.
709 Nutrition and Aging. (3) A.
711 Community Nutrition. (2) II.
712 Laboratory for Community Nutrition. (1) II.
715 Seminar in Nutrition. (1-3) A.
716 Special Problems in Nutrition. (1-3) A.
755 Saminar in Food Administration. (1-3) A.
756 Special Problems in Food Administration. (1-3) A.
801 Advanced Nutrient Study. (3) A.
802 Advanced Diet Therapy. (3) A.
804 Nutrition Assessments. (3) A.
810 Problems in Nutrition. (3) A.
811 Advanced Community Nutrition. (3) I.
817 Field Experience in Community and Clinical Nutrition. (6) A.
820 Community Nutrition Administration. (3) II.
839 Cooperative Study in Nutrition, Food, and Food Administration. (1-6) A.
841 Volume Foodservice Management. (3) A.
850 Nutrition, Food, and Foodservice Administration Workshop:____. (1-3) A.

TCF—Textiles, Clothing, and Fashion

100 Introduction to the Fashion Industry. (3) II. Formerly TCF 219. The study of the fashion industry from fiber producer to designer to manufacturer. Includes auxiliary fashion enterprises such as fashion periodicals.

102 Introductory Clothing Construction. (3) I, II. Basic principles of clothing construction; selection, alteration, and fitting of commercial patterns.

201 Introduction to Textiles. (3) I, II. Introduction to yarns, fibers, fabrics, and finishes with limited physical examination and emphasis on consumer use. 2 Lec/2 Lab.

203 Pattern Alteration and Fitting. (3) II. Prerequisite: TCF 102. A basic study of pattern alteration and fitting using commercial patterns.

218 Apparel Quality Analysis. (3) I, II. Formerly TCF 101. A study of factors that influence quality levels of sewn products. Introduction to style terminology and sizing of ready-to-wear apparel.

222 Fashion Illustration. (3) A. Prerequisite: TCF 218. Methods and materials for clothing illustration, including sketching of the elongated fashion figure and computer-aided-design. Illustration, color and fabric rendering of original designs and clothing lines.

301 Fundamentals of Textiles. (3) II. Prerequisites: CHE 102 and TCF 201. A study of fibers, fabrication, and finishes with limited physical and chemical examination.

302 Textiles for Architectural Interiors. (3) I, II. Characteristics, properties, specifications, and uses of textiles for architectural interiors. 2 Lec/2 Lab.

305 Techniques in Apparel. (3) A. Prerequisites: TCF 102 and 203; or instructor approval. Advanced techniques in apparel construction with emphasis on use of special fabrics.

310 Historical Costume and the Social Order. (3) I. History of dress from ancient Egypt through the 20th century. Factors which influence the style of dress are studied and relationship between costume of the past and current modes.

312 Flat Pattern Design. (3) A. Prerequisites: TCF 102 and 203; or instructor approval. A study of the development of original design through flat pattern techniques.

313 Apparel Design Analysis. (3) II. Prerequisite: junior standing. Visual analysis of apparel and the human form through identification and application of the elements and principles of design. Consideration of clothing as an aesthetic expression and of individual physical and social clothing needs throughout the life cycle.

319 Fashion Merchandising. (3) I. Prerequisite: TCF 100. The merchandising of fashion apparel, including planning fashion assortment and budgets, controlling merchandise, buying procedures, vendors and vendor relations. Practice in merchandising mathematics.

339 Visual Merchandising. (3) I. Prerequisite: junior standing or instructor approval. Principles and techniques used in the display of fashion merchandise and their application in planning and actual display of fashion goods for store windows and interiors.

349 Cooperative Study in Textiles, Clothing, and Fashion. (1-8) A. Prerequisite: departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

410 History of Textiles. (3) II. Prerequisite: TCF 201. The study of the development and economic importance of textiles from prehistoric time to the present.

411 Tailoring. (3) A. Prerequisites: TCF 102 and 203; or instructor approval. Application of tailoring techniques to garments made from commercial patterns.

412 Costume Design Through Draping. (3) A. Prerequisites: TCF 102 and 203; or instructor approval. A study of costume design through application of draping techniques, using the half scale figure.

413 The Professional in Fashion Merchandising. (3) II. Prerequisites: TCF 319, 339, and 349. Insight into problems of store management and personnel training as found in fashion organizations. Practice in merchandise planning and analysis as affected by target customer demographics and behavior. Preparation for the fashion merchandising practicum including resumes, cover letters, and interviews.

414 Fashion Merchandising Practicum. (10) A. Prerequisite: TCF 413. Supervised practicum in a retail store studying aspects of the merchandising of textile and clothing products.

415 The Professional in Apparel Design. (3) A. Understanding the relationship of the designer to the apparel industry; fabricating a line, cost accounting, the working sketch, sources of materials, and designer inspiration.

510 Socio-Psychological Factors of Apparel. (3) A. Prerequisite: TCF 218 or instructor approval. Social, cultural, and psychological factors which influence personal satisfaction in selection and use of apparel.

517 Textiles, Fashion, and Merchandising Tour. (1-3) A. Prerequisite: instructor approval. Tour of wholesale and retail outlets in fashion industry centers. Professional exposure to many aspects of the fashion industry. Special study project. May be retaken to a maximum of six hours provided the destinations differ.

519 Special Problems in TCF. (1-3) A. Prerequisites: 3.0 GPA and instructor approval. The student selects a problem and works under the supervision of the instructor. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours provided topics differ.

550 TCF Topics:____ (1-3) A. A course designed to offer specialized expertise in numerous areas related to textiles, clothing, and fashion. May be retaken to a maximum of six hours provided topics vary.

GRADUATE COURSES

710 Socio-Psychological Factors of Apparel. (3) A.
717 Textiles, Fashion, and Merchandising Tour. (1-3) A.
719 Special Problems in TCF. (1-3) A.
750 TCF Topics:____. (1-3) A.

DEPARTMENT OF MASS COMMUNICATIONS

R. Wolfe, Chair; Cain, Cannon, Everett, Feltner, Fraas, Hansen, Henson, Hillwig, Kolloff, Perry, Rogers, Taylor, Whitlock, Woolverton.

The primary function of the Department of Mass Communications is to offer instruction in the preparation of messages for the mass media and in the effective use of mass media techniques and equipment.

Because of the specialized nature of many of the courses in the Department of Mass Communications, students may find prerequisites required by individual instructors. These may include the ability to type a minimum of 25 words per minute, the availability of a portable tape recorder, and/or the availability of a 35mm camera. Students also may be required to have computer skills for specific courses. When such requirements apply, students will be notified at the first class meeting.

No more than 16 credit hours of a student's degree may be earned in practicum and/or co-op study.

Students majoring or minoring in the Department of Mass Communications are required to attain a minimum grade of "C" in all courses for the major and/or minor. This requirement does not apply to supporting courses.

In special cases, courses and their prerequisites may be taken concurrently with the permission of the student's advisor.

Broadcasting and Electronic Media

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 33 hours
BEM 225, 240, 300; 325 or 375; 360 or 370; 395; 415 or COM 405; and 12 hours electives selected from BEM 330, 340, 370, 401, 402, 410, 425, 440, 495, COM 415, 420, 425, 430, 445, or 471.
Supporting Course Requirements ..... 6 hours
COM 200 and three hours COM electives.
General Education Requirements ..... 46 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... 9 hours
ATO 100 and eight hours of restricted electives.
Free Electives ..... 34 hours
Total Curriculum Requirements ..... 128 hours

Journalism

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 33 hours
JOU 201, 302 (1), 305, 310, 325, 401, 425, COM 405, and 11 hours electives from JOU 302, 307, 330, 410, 415, 450, 480, COM 320, 415, 430, or 471.
Minor Requirements ..... 18 hours
Journalism students must complete at least a minor in an area outside the Department of Mass Communications.
Supporting Course Requirement ..... 3 hours
COM 200.
General Education Requirements ..... 46 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on General Education and University requirements.
University Requirements ..... 9 hours
ATO 100 and eight hours of restricted electives.
Free Electives ..... 19 hours
Total Curriculum Requirements ..... 128 hours

Public Relations

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 34 hours
COM 405, JOU 201, 305; 325 or TEC 315; PUB 375, 378 (1), 380, 475, 490; BEM 240; 325 or 375; and 360 or 370.
Supporting Course Requirements ..... 15 hours
COM 200, 320, 420, MFG 211, and MKT 320.
General Education Requirements ..... 46 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on General Education and University requirements.
University Requirements ..... 9 hours
ATO 100 and eight hours of restricted electives.
Free Electives ..... 24 hours
Total Curriculum Requirements ..... 128 hours

MINOR IN ADVERTISING

Courses required for a minor in advertising are COM 301, 320, 325, 425, 471, MKT 200, 320, and COM 490 or MKT 426. Six hours of COM/MKT courses taken to fulfill requirements for another major or minor may be counted toward the advertising minor.

MINOR IN BROADCAST NEWS

Courses required for a minor in broadcast news are BEM 240, 325, 360, 401, 402, and three hours from BEM 415, 425, COM 405, JOU 201, 325, or 401. Courses counted toward the major may not be counted toward the minor in broadcast news. Substitute courses will be selected by the student and the departmental advisor.

MINOR IN BROADCASTING

Courses required for a minor in broadcasting are BEM 225, 300; 325 or 375; six hours in production courses (240, 360, 370, 395), and three hours of BEM electives. Courses counted toward a major may not be counted toward the minor in broadcasting. Substitute courses will be selected by the student and the departmental advisor.

MINOR IN JOURNALISM

Courses required for a minor in journalism are COM 200, JOU 201, 305, 310, and six hours from JOU 307, 325, or 401. Courses counted toward a major may not be counted toward the minor in journalism.

MINOR IN JOURNALISM (TEACHING)

Courses required for a minor in journalism (teaching) are COM 200, JOU 201, 305, 307, 310, 325, three hours JOU electives, EDF 102, 202, and 317. (The teaching minor in journalism is open to those students with a first major in art, business education, English, history, or physical education.)

MINOR IN PUBLIC RELATIONS

Courses required for a minor in public relations are COM 200; JOU 201 or BEM 375; PUB 375, 380, 475, and MFG 211. Courses counted toward a major may not be counted toward the minor in public relations. Substitute courses will be selected by the student and the departmental advisor.

MINOR IN VISUAL MEDIA

Courses required for a minor in visual media are COM 320, 325, JOU 325, BEM 360, 395, and MFG 211. Courses counted toward a major may not be counted toward the minor in visual media. Substitute courses will be selected by the student and the departmental advisor.

Course Descriptions

BEM—Broadcasting and Electronic Media

225 Introduction to Electronic Media. (3) I, II. Formerly RTV 225. Survey of the electronic communications industry. Historical development, technical operations, programming and production techniques, as well as job opportunities, responsibilities, and industry codes.

240 Audio Production. (3) I, II. Formerly RTV 390. Fundamentals of the technical and artistic elements of radio production. Includes control room techniques, sound recording, tape editing, and operational regulations.

300 Performance in Electronic Media. (3) I, II. Formerly RTV 250. Prerequisite: BEM 240. Study of the announcer's role in electronic media. Stresses practice in performing areas, including radio and television production, microphone and television camera techniques with an added emphasis on phonetics and pronunciation.

325 Broadcast/Electronic Media News. (3) I, II. Formerly RTV 325. Prerequisites: ENG 101 and 102 (or 105) and the ability to type 25 words per minute. Fundamental news concepts peculiar to the requirements of electronic media are explored through writing and editing the newscast and examining public affairs programs, editorials, and documentaries.

330 Sportscasting. (3) A. Formerly RTV 330. Prerequisites: BEM 300 and 325 or 375. Fundamental concepts of sports broadcasting are developed through writing and delivering the sportscast and examining the theory and practice of play-by-play announcing.

340 Advanced Audio Production. (3) A. Formerly RTV 490. Prerequisite: BEM 240. Program functions in radio communications, including the planning, production, and direction of more complex programs. Uses original ideas and methods in documentary and studio productions.

343 Audio Practicum. (1) I, II. Formerly RTV 393. Prerequisite: BEM 240. Supervised practical experience on the staff of a radio or other audio facility. May be retaken to a maximum of three hours. May not be counted toward the major.

349 Cooperative Study: Broadcasting and the Electronic Media. (1-8) A. Formerly RTV 349. Prerequisites: junior standing, "B" average in all courses within the department, and departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen baccalaureate. A minimum of 80 hours work required for each academic credit. May not satisfy major or minor requirements within the department.

360 Small Systems Video Production. (3) A. Formerly RTV 360. Training in non-studio video production and editing. Provides field shooting and editing experience and an understanding of the uses of these skills in broadcast television, video, cable, and industrial video.

370 Electronic Cinema Production. (3) I, II. Formerly RTV 350. Principles and procedures behind single-camera dramatic productions recorded and edited on videotape.

373 Electronic Cinema Practicum. (1) I, II. Formerly RTV 353. Prerequisite: BEM 370. Supervised practical experience in film making, editing, and other aspects of film-style production. May be retaken to a maximum of three hours. May not be counted toward the major.

375 Writing for the Electronic Media. (3) I, II. Formerly RTV 375. Prerequisites: ENG 101 and 102 (or 105) and the ability to keyboard 25 words per minute. Examination of the specialized forms of broadcast writing. Emphasizes both visual and verbal planning elements as well as practical experience in writing commercial, public service, narrative, and documentary copy.

395 Studio Television Production. (3) I, II. Formerly RTV 395. Study of the basic elements of multi-camera production. Includes an integration of writing, directing, producing, and other technical aspects.

398 Electronic Video Practicum. (1) I, II. Formerly RTV 398. Prerequisite: BEM 395. Supervised practical experience on the staff of a television or other video facility. May be retaken to a maximum of three hours. May not be counted toward the major.

401 Advanced Broadcast News. (3) A. Formerly RTV 401. Prerequisites: BEM 325 and 360. Advanced study in broadcast journalism, including the use of electronic news gathering (ENG) equipment. Extends the concepts developed in BEM 325.

402 Advanced Broadcast News II. (3) I, II. Formerly RTV 402. Prerequisite: BEM 401. Advanced study in broadcast journalism which includes: training and supervising a news staff, managing and operating a news field bureau office, and implementing promotion concepts for a news organization.

410 Electronic Media Programming. (3) A. Formerly RTV 410. Prerequisite: BEM 225. Interrelationships of programs and audiences. Analysis of audience and program research as well as individual program formats.

415 Regulation and Responsibility. (3) A. Formerly RTV 480. Prerequisite: BEM 225. Theoretical course dealing with social, political, legal, economic, and ethical influences on American radio and television broadcasting.

425 Electronic Media Management. (3) A. Formerly RTV 425. Prerequisite: BEM 225. Study of the successful operation of radio and television stations and cable systems. Covers staffing, budgeting, types and sources of programs, equipment evaluation and purchase, public relations, and industry-wide regulatory codes.

440 Survey of Cable TV Industry. (3) A. Formerly RTV 440. Prerequisite: COM 200 or BEM 225. A study of the cable television industry including development, regulations, franchising, programming, local access, marketing, and cable's role and function in society.

495 Advanced Video Production (3) I, II. Formerly RTV 495. Prerequisites: BEM 360 and 395. Advanced study of television production and direction, combining both studio and field work in the creation of standard program formats.

COM—Communications

200 Introduction to Mass Communications. (3) I, II. Introduction to the mass media in America, especially newspapers and broadcasting. Analyzes the forces affecting media behavior and studies the impact of mass media on the social, political, and economic sectors of society.

260 Film Genre: ____. (3) I, II. Formerly COM 250. Study of the types of motion pictures. Analysis and critical evaluation of the typical elements of a genre, both visual and dramatic. May be retaken to a maximum of six hours with different course content.

290 Topics in Communications: ____. (1-3) A. Prerequisite: will vary with course offering. Special topics beyond the scope of regularly offered courses. May be retaken to a maximum of nine hours provided the subject matter differs each time. Specific topics included in the schedule.

301 Advertising Copywriting. (3) I, II. Prerequisites: ENG 102 or ENG 105 and the ability to type 25 words per minute. Introduction to copywriting for electronic, print, outdoor, and direct mail advertising media. Emphasis on advertising strategy, motivation, appeals, and writing.

320 Desktop Publishing for Media. (3) I, II. Introduction to desktop publishing in mass communications, using personal computers and appropriate software programs. Practice in the production of information graphics, newsletters, advertisements, and other mass media messages. Can count as JOU elective.

325 Advertising Production and Design. (3) I, II. Prerequisites: COM 301 and 320. Examination of electronic and media production principles and methods with practice in visualization and layout. Considers the application of research and communication theory to the creation of advertising materials.

345 Literature and Film. (3) A. Cross listed as ENG 345. Prerequisites: ENG 101 and 102 (or 105). Examination of the relationships between film and literature through a comparative study of the stylistic and technical elements of the two media. Credit will not be awarded to students who have credit for ENG 345.

349 Cooperative Study: Media Sales. (1-8) A. Prerequisites: junior standing, "B" average in all courses within the department, and departmental approval. Work under faculty and field supervisor in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen baccalaureate. A minimum of 80 hours work required for each academic credit. May not satisfy major or minor requirements within the department.

350 Cinema History I. (3) A. Historical survey of cinema from its origins to the early artistic successes in sound. Examines developments in directing, acting, editing, and other areas of cinema as an art form. Feature length and short films viewed. Gen. Ed. 08.

351 Cinema History II. (3) A. Historical survey from the development of sound to the present. Includes theories, styles, and critical positions related to the sound film and considers origins and implications for future directions. Feature length and short films viewed. Gen. Ed. 08.

390 Fundraising. (3) I, II. An overview of fundraising, including planning, organization, management, marketing, and the common sense needed to raise money from private sources.

400 Studies in Communications: ____. (1-3) A. Prerequisite: will vary with course offering. Study of specific areas of communications through workshops, short courses, institutes, or through the presentation of a specific course which examines timely, topical, or specialized concerns in the field. Specific topic included in schedule. May be retaken to a maximum of nine hours.

405 Media Law. (3) A. Formerly JOU 405 and RTV 406. Prerequisite: JOU 201, BEM 325, or 375. Examination of legal philosophies relating to the media, including press freedom, copyright, libel, slander, privacy, free press/fair trial, and regulation. Emphasizes the legal rights and responsibilities of the media.

415 Media Ethics. (3) A. Prerequisite: JOU 201, BEM 325, or 375; or instructor approval. Examination of ethical standards and practices of the mass media. Includes development of ethical decision-making skills.

420 Mass Communications Research. (3) I, II. Introduction to the research process, research approaches, basic statistics, and applied research in the field of mass communications.

425 Media Planning and Buying. (3) I, II. An introduction to the process of media planning and buying. Emphasis on basic measurements and calculations, reach and frequency, strategy, evaluation, and budgeting.

430 Legislative Reporting. (3) A. Prerequisite: JOU 401 or BEM 401; or instructor approval. Reporting on the state legislature for print and broadcast media. Counts as JOU/BEM elective.

445 Broadcast and Cable Promotion. (3) I, II. Study of broadcast and/or cable promotion in the areas of writing, production, marketing, and public relations. Counts as BEM elective.

460 Advanced Film Genre: ____. (3) I, II. Detailed study of the types of motion pictures. Requires independent research, extended analysis, and critical evaluation of films. May be retaken to a maximum of six hours with different course content. May not be taken concurrently with COM 260.

471 Media Sales. (3) A. Formerly COM 470. Problems and practices of both print and electronic media sales. Includes case studies in both print and broadcast sales development (local, regional, and national), pricing, production, promotion, and basic sales campaigns. May count as JOU/BEM credit.

490 Media Campaigns. (3) A. Formerly COM 450. Prerequisites: COM 320, 325, and 425. Design and execution of a complete advertising/media campaign based on an actual case study. Includes primary research, media planning, creative design/execution, and evaluation. Students produce professional quality advertising materials for national competition. Credit will not be awarded to students who have credit for MKT 426.

495-496-497-498-499 Special Problems in Communications. (1-3 each) A. Prerequisite: Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Six hours maximum credit through any combination of 495, 496, 497, 498, 499. Credit may not count toward a major or minor within the department.

495 Public Relations. (1-3) A. Topic selection and supervisor approval required before enrollment. May be retaken to a maximum of three hours.

496 Film. (1-3) A. Topic selection and supervisor approval required before enrollment. May be retaken to a maximum of three hours.

497 Journalism. (1-3) A. Topic selection and supervisor approval required before enrollment. May be retaken to a maximum of three hours.

498 Radio. (1-3) A. Topic selection and supervisor approval required before enrollment. May be retaken to a maximum of three hours.

499 Television. (1-3) A. Topic selection and supervisor approval required before enrollment. May be retaken to a maximum of three hours.

550 Readings in Mass Communications. (3) A. Prerequisites: instructor approval and senior standing. Critical reading of selected books and magazines relating directly or indirectly to mass communications. Features reviews and seminar discussions of readings chosen to reflect individual student's interests.

GRADUATE COURSE

750 Readings in Mass Communications. (3) A.

JOU—Journalism

201 Newswriting. (3) A. Prerequisites: ENG 101 or 105 and ability to type 25 words per minute. Study of the elements of the news story. Includes the lead, style, structure, sources, readability, story types, and ethics. Practice in gathering, writing, and evaluating news.

302 Newspaper Practicum. (1) I, II. Prerequisite: JOU 201. Supervised practical newspaper experience in a journalistic operation. May be retaken to a maximum of three hours.

304 Yearbook Practicum. (1) I, II. Prerequisite: JOU 201. Supervised practical yearbook experience in a journalistic operation. May be retaken to a maximum of three hours. May not be counted toward major.

305 Feature Writing. (3) A. Prerequisites: ENG 101 and 102 (or 105). Writing and submitting articles for publication in newspapers, magazines, and syndicates. Involves studying requirements of periodicals to which sale is attempted and free-lancing methods in general.

307 Editorial Writing. (3) A. Prerequisite: JOU 201. Study of editorials, editorial columns, and editorial pages. Provides practice in writing editorials for publications.

310 News Editing. (3) I, II. Prerequisite: JOU 201. Preparing copy for publication through analysis and practice of headline writing, as well as news evaluation, display, and makeup.

325 Photojournalism. (3) I, II. Reporting the news with a camera. Stresses recognition, development, and creation of news photographs by providing experiences in shooting, developing, printing, and editing.

330 Sportswriting. (3) A. Prerequisite: JOU 201. Fundamentals of sports writing. Includes daily, feature, and interview stories as well as preparation of sports commentary and analysis.

349 Cooperative Study: Journalism. (1-8) A. Prerequisites: junior standing, "B" average in all courses within the department, and departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours of academic credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each hour of academic credit. May not satisfy major or minor requirements within the department.

401 Public Affairs Reporting. (3) A. Prerequisite: JOU 201. Writing and reporting in specialized fields of national, state, and local government, labor, science, research, and business. Includes writing and reporting for wire services and daily newspapers.

410 Advanced Photojournalism. (3) A. Prerequisite: JOU 325. Darkroom techniques in feature photography. Focuses on experiences in coordinating words and news photographs and developing photo pages and photojournalism exhibitions.

415 Advanced Editing. (3) A. Prerequisite: JOU 310. Intensive study of newspaper design. Emphasizes practice in electronic editing, headline writing, and layout.

425 Community Journalism. (3) A. Prerequisites: JOU 201 and 310. Writing and reporting for community newspapers. Includes investigating local government and local sources of information and studying the role and performance of the community newspaper.

450 Newspaper and Magazine Management. (3) A. Prerequisites: JOU 201 and 310. Problems of organization, finance, production, and distribution of daily and weekly newspapers and magazines. Examines factors involved in publishing, staffing, equipment evaluation and purchase, and policy formulation.

480 Writing and Selling Nonfiction. (3) A. Prerequisite: ENG 101 and 102 or 105 (or HON 105). How to write and sell nonfiction articles for magazines. Credit will not be awarded to students who have credit for ENG 500/700 taught as "Writing for the Popular Media."

PUB—Public Relations

349 Cooperative Study: Public Relations. (1-8) A. Prerequisites: junior standing, "B" average in all courses within the department, and departmental approval. Work under faculty and field supervisors in cooperative placements related to the student's academic studies. One to eight hours credit per semester or summer. Total credit hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit. May not satisfy major requirements within the department.

375 Public Relations Principles. (3) I, II. Survey of business, industrial, educational, social, and governmental principles and practices in disseminating internal and external information.

378 Public Relations Practicum. (1) I, II. Prerequisite: PUB 375. Supervised practical experience in a public relations operation. May be retaken to a maximum of three hours.

380 Public Relations Writing. (3) I, II. Prerequisites: JOU 201, PUB 375, and BEM 375 or 325. Practice in public relations planning and writing for general and specific publics of organizations, corporations, institutions, and government.

475 Advanced Public Relations. (3) A. Prerequisites: COM 320 and PUB 380. Emphasizes a management approach and application of the four-step PR process to solving public relations problems through planning, design, and production of print, audiovisual, and broadcast materials used in public relations. Includes public relations case studies and problems.

490 Public Relations Campaigns. (3) A. Prerequisites: COM 320 and PUB 475. Application of research, planning, strategies, and evaluations to a public relations campaign. Includes budgeting and scheduling of campaigns.

530 Sports Information Programs. (3) A. Study of the role and function of the sports information director. Includes public relations techniques applied to sports information: press releases, publications programs, office and staff organization, time utilizations, news media and formats.

GRADUATE COURSE

730 Sports Information Programs. (3) A.

DEPARTMENT OF

TECHNOLOGY

C. Craft, Chair; Brooker, T. Brown, Chastain, Dailey, W.E. Davis, Fardo, Gow, Jenkins, Joyner, Kilgore, Lash, Lifland, Lloyd, J. Luy, Marchant, Masterson, D. Patrick, Prewitt, W. Reynolds, A. Spencer, Steinbach, Stratman, Towers, Yang.

The Department of Technology prepares technology education teachers for secondary schools, vocational-industrial and technical teachers for secondary and vocational-technical schools, and technologists and technicians for construction and manufacturing industries.

The Bachelor of Science degree in construction technology is a four-year degree designed to prepare students to function in supervisory and management roles in the construction industry. The program provides an understanding of both the technical and management functions in the construction industry. Students also receive a foundation in business organization, mathematics, and the sciences. A student can elect to complete an area major or minor in construction technology.

The four-year area major and first major in technology education are Bachelor of Science degree programs designed to prepare technology education teachers to teach technology education subjects at the middle school or senior high school level.

The two-year and four-year vocational-industrial and technical education degree programs prepare industrial education teachers who plan to teach industrial education at the preparation level in the high schools, area vocational centers, and state vocational/technical schools in Kentucky. The two-year program is an in-service program leading to the Associate of Science degree, and the four-year program is a pre-service program leading to the Bachelor of Science degree.

The Bachelor of Science degree in manufacturing technology is a four-year degree designed to prepare manufacturing technologists. The degree provides both breadth and depth in technical areas with a foundation in management, mathematics, natural science, social sciences, and communication to prepare the individual to function in a manufacturing environment. A student can elect to complete an area major or minor in manufacturing technology.

The Department of Technology offers several two-year programs designed to prepare technicians for industry. These programs lead to the Associate of Science degree in computer aided drafting, computer electronics technology, and quality assurance technology.

Construction Technology

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 54 hours
CON 121, 201, 202, 221, 294, 303, 307, 320, 322, 323, 324, 349+ (6), 420, 421, 423, 425, and 426.

Supporting Course Requirements ..... 42-43 hours
ACC 201, ECO 230, GLY 108, TEC 161; MAT 109 or 107 and 108; MAT 261, MGT 300, PHY 131 and 132; and nine hours (at least three hours must be upper division) from ECO 231, 300, ENG 300, GBU 204, INS 370, 376, MGT 320, 330, 410; MKT 200 or 300; RST 310, or 320.

General Education Requirements ..... 28 hours
Standard General Education program, excluding course categories 03, 04, 08, 09, 12, 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
ATO 100 and eight hours of restricted electives.

Total Curriculum Requirements ..... 133-134 hours

+Two separate summer enrollments of 2 to 4 hours are required.

MINOR IN CONSTRUCTION TECHNOLOGY

A student with a first major in another field may complete a minor in construction technology by completing a minimum of 21 semester hours as follows: CON 121; 201 or 202; 221, 294, 323, 324, and 421. No more than nine hours of courses taken for a major may be counted toward this minor.

MANUFACTURING TECHNOLOGY PROGRAM

Before preparing a planned curriculum, students in the manufacturing technology program should have a 2.0 overall GPA and a GPA of 2.25 in their major. They also are expected to have satisfactorily completed MFG 101, 138, 201, 202, TEC 161, 190, MAT 108, PHY 131, 132, STA 270, and three semester hours of computer programming. Transfer students who are transferring more than 30 semester hours and have not completed comparable courses are expected to complete these courses before enrolling for upper division major courses. Graduates of the program must have a GPA of 2.25 and no grade lower than a "C" in their major.

Manufacturing Technology

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 63 hours
TEC 161, 190, MFG 101, 138, 201, 202, 250, 301, 308, 310, 371, 406, 408; six hours of upper division EET or MFG electives; and 18 hours in one of the following options:
Computer Aided Design (CAD): CON 303, MFG 192, 195, 390, 494, and 497.
Computer Integrated Manufacturing (CIM): MFG 220, 320, 352, 382, 422, and 428.
Electronics: EET 252, 257, 305, 352, 355, and 356.
Printing: MFG 211, 316, 318, 319, 412, and 414.
Quality Assurance: MFG 330, 332, 334, 336, 430, and 432.

Supporting Course Requirements ..... 27-28 hours
ECO 230, 300, MAT 108, 261 (or six hours of higher level MAT courses), PHY 131, 132, STA 270, and three hours of computer programming. Students with a printing option should substitute CHE 101 for PHY 132 and EET 251 for MFG 250.

General Education Requirements ..... 28 hours
Standard General Education program, excluding course categories 03, 04, 09, 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
ATO 100 and eight hours of restricted electives.

Free Electives (Cooperative Education or Upper Division Courses) ..... 4 hours

Total Curriculum Requirements ..... 131-132 hours

MINOR IN MANUFACTURING TECHNOLOGY

Requirements ..... 21 hours
TEC 190, MFG 138, 201, 202+, 308, and six hours of MFG upper division electives. No more than nine hours of courses taken for a major may be counted toward this minor.

+STA 270, Gen. Ed. 03, is a prerequisite for MFG 202.

Technology Education (Teaching)

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 48 hours
CON 121, EET 251, MFG 101, 138, 195, 211, TEC 161, 190, TTE 163, 233, 462, 465; and 12 hours in one of the following options:
Option I: MFG 371; MFG 352 or TEC 349; TTE 461, and 464.
Option II: TEC 349 and nine hours of electives from one of the following areas or 12 hours of electives from one of the following areas: construction, manufacturing, communications, or power and energy.

Supporting Course Requirements ..... 21-22 hours
CSC 171, 172, TTE 261, 361, MAT 107, and PHY 131, 132 or CHE 101, 102.

Teacher Education Requirements ..... 31 hours
EDF 102, 202, 317, EMG 447, EPY 318, ESE 452, 498, and 499.

General Education Requirements ..... 31 hours
Standard General Education program, excluding course categories 03, 04, 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
ATO 100 and eight hours of restricted electives.

Total Curriculum Requirements ..... 140-141 hours

A graduate of the above program shall have a minimum of 1,000 hours of work experience related to the goals of teacher preparation in technology education or a minimum of 320 hours of supervised work experience (TEC 349). Students must also take the National Teachers Examination (NTE) before graduation.

Technology Education (Teaching)

FIRST MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 36 hours
EET 251, MFG 195, 211, 371; MFG 352 or TEC 349; TEC 161, 190, TTE 163, 233, 461, 462, and 465.

Minor Requirements ..... 18 hours

Supporting Course Requirements ..... 21-22 hours
CSC 171, 172, TTE 261, 361, MAT 107, and PHY 131, 132 or CHE 101, 102.

Teacher Education Requirements ..... 31 hours
EDF 102, 202, 317, EMG 447, EPY 318, ESE 452, 498, and 499.

General Education Requirements ..... 31 hours
Standard General Education program, excluding course categories 03, 04, 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
ATO 100 and eight hours of restricted electives.

Total Curriculum Requirements ..... 146-147 hours

A graduate of the above program shall have a minimum of 1,000 hours of work experience related to the goals of teacher preparation in industrial education or a minimum of 320 hours of supervised work experience (TEC 349). Students must also take the National Teachers Examination (NTE) before graduation.

Vocational-Industrial and Technical Education (Teaching)+

AREA MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 69 hours

Professional Industrial Education ..... 21 hours
TTE 261, 361, VIT 364, and 463.

Technical Industrial Education ..... 48 hours
TEC 161 and 45 hours of technical courses to be chosen in consultation with an advisor. A maximum of 18 hours may be allowed by proficiency examination (VIT 204, 205, 206, 304, 305, and 306). Nine hours, maximum, may be allowed for supervised work experience (TEC 349).

Supporting Course Requirements ..... 9 hours
EDF 317, EPY 318**, and three hours of general education mathematics.

General Education Requirements ..... 43 hours
Standard General Education program, excluding course categories 03. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
ATO 100 and eight hours of restricted electives.

Total Curriculum Requirements ..... 130 hours

+Graduates of this program must have a minimum of 2,000 clock hours of planned and supervised work experience in the occupation in which they will teach or a minimum of three years of approved work experience in the occupation in which they will teach. Students must also take the National Teachers Examination (NTE) before graduation.

**In-service teachers may substitute SED 388 for EPY 318.

MINOR IN ARCHITECTURAL DRAFTING TECHNOLOGY

Requirements ..... 21 hours
CON 202, 324, MFG 195; TEC 194 or CON 294; TEC 394, 491, and 496. No more than nine hours of courses taken for a major may be counted toward this minor.

MINOR IN COMPUTER ELECTRONICS TECHNOLOGY

Requirements ..... 18 hours
EET 251, 252, 253, 254, 257, and one of the following: EET 352, 354, 355, or MFG 352. No more than nine hours of courses taken for a major may be counted toward this minor.

MINOR IN PRINTING TECHNOLOGY

Requirements ..... 18 hours
MFG 211, 314, 316, 319, and six hours from 313, 318, 410, 412, or 414. No more than nine hours of courses taken for a major may be counted toward this minor.

MINOR IN QUALITY ASSURANCE TECHNOLOGY

Requirements ..... 21 hours
STA 270, MFG 202, 332, 334, 336, 430, and 432. No more than nine hours of courses taken for a major may be counted toward this minor.

Computer Aided Drafting

ASSOCIATE OF SCIENCE

Major Requirements ..... **36 hours**
TEC 161, 190, 391, MFG 138, 192, 195, 201, 383, 390, 392, 393, and 397.

Supporting Course Requirements ..... **31 hours**
ATO 100, ECO 230*, six hours of English Composition*, CSC 171, 172, MAT 107*, 108, PHY 131, three hours of General Education humanities*, and four hours restricted electives.

Total Curriculum Requirements ..... **67 hours**

Computer Electronics Technology

ASSOCIATE OF SCIENCE

Major Requirements ..... **36 hours**
EET 251, 252, 253, 254, 257, 305, 350, 351, 354, 355, 356, and MFG 352.

Supporting Course Requirements ..... **29 hours**
ATO 100, CSC 171, six hours of English Composition*, MAT 107*, 108, PHY 131*, three hours of general education humanities*, three hours of general education social science*, and four hours of restricted electives.

Total Curriculum Requirements ..... **65 hours**

Quality Assurance Technology

ASSOCIATE OF SCIENCE

Major Requirements ..... **33 hours**
EET 251, TEC 161, 190, MFG 101, 138, 201, 202, 330, 332, 334, and 336.

Supporting Course Requirements ..... **32 hours**
ATO 100, CSC 171, six hours of English Composition*, MAT 107*, 108, PHY 131, STA 270, three hours of general education humanities*, three hours of general education social science*, and four hours restricted electives.

Total Curriculum Requirements ..... **65 hours**

Vocational-Industrial and Technical Education (Teaching)

ASSOCIATE OF SCIENCE

Enrollment in this program is restricted to in-service vocational-industrial teachers and graduates of a Kentucky State Vocational Technical School post-secondary program.

Major Requirements ..... **24 hours**
TEC 161 and 21 hours chosen from the technical area, or related to the area, in which the individual proposes to teach, as approved by the advisor. Graduates of this program must have a minimum of 4,000 hours of supervised work experience or four years of occupational experience in the area to be taught. Nine hours maximum may be allowed by proficiency examination (VIT 204, 205, and 206). Nine hours may be supervised work experience (TEC 349).

Supporting Course Requirements ..... **42 hours**
ATO 100, six hours of English Composition*, TTE 261, VIT 264, 364, 463**, three hours of general education mathematics*, three hours of general education humanities*, three hours of general education social science*, and five hours restricted electives.

Total Curriculum Requirements ..... **66 hours**

**In-service teachers should substitute VIT 363, 469, three hours of professional elective, and SED 388 or EDF 317 for VIT 463.

CON—Construction Technology

121 Introduction to Construction. (3) I, II. A survey of the construction industry. Nature, scope, and general characteristics of the industry. Careers in construction.

201 Materials and Methods of Construction I. (3) I, II. Prerequisite or Corequisite: CON 121. Composition, manufacture, types, and grades of construction materials and building products with emphasis on wood, metal, and plastic materials. Methods involved in the use of these materials in the construction of buildings. 2 Lec/3 Lab.

202 Materials and Methods of Construction II. (3) I, II. Prerequisite or Corequisite: CON 121. Composition, manufacture, types, and grades of construction materials and building products with an emphasis on concrete, masonry, glass, roofing, and finishing materials. Methods involved in the use of these materials in the construction of buildings. 2 Lec/3 Lab.

221 Plane Surveying. (3) I. Prerequisite: MAT 108. Principles of surveying, including techniques, field practice, and calculations. Introduction to the general use and care of surveying instruments. 2 Lec/3 Lab.

294 Construction Graphics. (3) A. Basic principles of residential and small commercial planning; styles of architecture; a comparative study of structural systems and the preparation of working drawings. 2 Lec/3 Lab.

300 Construction Materials. (3) A. Composition, manufacture, properties, types, grades, and uses of common construction materials and products.

303 Statics and Strength of Materials. (3) II. Formerly CON 222. Prerequisites: MAT 108 and PHY 131. A study of loads and forces and their effects when acting on rigid bodies and structures at rest. The computation of equilibrium reactions, internal forces, shear, moments, couples, friction, stress, strain, deformation, and torsion. Finding centroids and moments of inertia of areas.

307 Foundation Construction. (3) II. Prerequisite: CON 303. A study of soil mechanics as it relates to foundation construction. Topics include soil classification, engineering properties, compaction testing, types of foundation systems, and methods of foundation construction.

320 Construction Surveying. (3) I, II. Prerequisite: CON 221. The application of surveying skills as they relate to horizontal and vertical control on construction projects. Activities include building layout, centerline staking, earthwork computations, and slope staking. The use of electronic instruments is emphasized. 2 Lec/3 Lab.

321 Construction Methods. (3) A. Basic types of construction: wood-frame, heavy timber, reinforced concrete, and structural steel. Laboratory activities related to specific techniques involved with each type of construction. 2 Lec/3 Lab.

322 Construction Structural Design. (3) I. Prerequisite: CON 303. A study of the design of beams and columns using steel and wood. Principles of structural design related to the design of temporary structures used in the construction process.

323 Estimating I. (3) I. Prerequisites: CON 201 or 202; 294, and MAT 108. A study of the materials and labor required in the construction of residential and light commercial projects. Experience is gained in reading plans, calculating work quantities, and listing work items in a standardized format. 2 Lec/3 Lab.

324 Mechanical/Electrical Systems. (3) II. Prerequisite: CON 294. A study of plumbing, heating, air-conditioning, electrical power distribution, and lighting for residential and commercial buildings. Heat loss and heat gain calculations. Basic fundamentals of water supply, waste drainage, and electrical circuits.

349 Cooperative Study: Construction Technology. (1-8) A. Prerequisites: 30 hours of credit with a 2.0 GPA and departmental approval. Work under faculty and field supervisors in placements related to construction technology. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

368 Seminar in Construction. (1-4) A. Presentation of construction technology topics of a timely or specialized nature in a seminar format. May be retaken provided the topics are different.

401 Special Problems in Construction Technology. (1-3) A. An independent study course for exceptional upper division undergraduate students. A study proposal will be developed by the student and approved by the faculty supervisor and department chair prior to enrollment. May be retaken provided the topic of study is different.

420 Value Engineering. (3) I. Prerequisites: MAT 107 and ECO 230. A systematic application of engineering economy. Engineering design and availability of materials and construction methods are carefully investigated. A consideration of first costs, operating and maintenance costs, service life, and replacement costs. VE incentives in government contracts are studied.

421 Contracts and Bidding. (3) I. Prerequisite: CON 323. Contract documents and specifications and their impact on a contractor's bid. Activities include exercises in which the costs of general conditions, special conditions, bonds, and other contractual requirements are determined during a bid compilation.

423 Estimating II. (3) I. Prerequisite: CON 323. Construction projects of moderate complexity are divided into work packages, followed by calculation of work quantities. Standard cost books are utilized to develop prices for labor, materials, subcontracts, equipment, and overhead. Emphasis is placed on the use of spreadsheets and estimating software.

425 Project Organization and Supervision. (3) II. Prerequisites: MGT 300 and CON 421. Business policies and problems in relation to construction enterprises. Contractor's organization, financial management, project management, and equipment economics.

426 Cost Control and Scheduling. (3) II. Prerequisites: ACC 201, CON 423, and TEC 161. Prerequisite or Corequisite: CON 425. A study of the planning and control of construction costs and activities. Topics include cost accounting, monthly job cost reports, cash flow, critical path method scheduling, and progress monitoring.

EET—Electricity and Electronics Technology

251 Electricity and Electronics. (3) I. Principles of basic electricity and AC-DC circuit analysis. Emphasis on electrical and electronic circuits and applications. This is a mathematically-oriented course. 2 Lec/3 Lab.

252 Digital Circuits. (3) II. A survey of digital and microprocessor fundamentals and applications. Gates, counters, decoders, displays, converters, microprocessors, memory systems, i/o devices, and microcomputer systems are covered in a combination of lecture, demonstration, and laboratory. 2 Lec/3 Lab.

253 Microprocessor Systems. (3) I, II. Formerly IET 456. Prerequisite: EET 252. The operation and application of the eight bit microprocessor in desktop and process control systems. Data, address, and control signals; memory expansion; digital and analog input and output ports; power control interface; and data communications are covered in the laboratory. 2 Lec/3 Lab.

254 Machine Language for Microcontrollers. (3) A. Formerly IET 354. Prerequisites: EET 252 and a college level computer programming course. Machine language programming for ROM based 8 and 16 bit microprocessor based industrial controllers. Emphasis on software manipulation of I/O control devices in real-time, interrupt driven, process control environments. 2 Lec/3 Lab.

257 Electronic Circuits and Devices. (3) II. Formerly IET 357. Prerequisite: EET 251 or MFG 250. A technical analysis of the characteristics of solid state devices and the common circuits that utilize these devices. Emphasis on problem solving supplemented by laboratory analysis of electronic circuits and devices. 2 Lec/3 Lab.

305 Linear Electronic Circuits. (3) A. Formerly EET 258. Prerequisite: EET 257. An analysis of electronic control circuits and devices to include both linear and nonlinear amplifiers. 2 Lec/3 Lab.

350 Industrial Electronics I. (3) I. Formerly IET 451. Prerequisite: EET 257. Principles of timing, power control circuitry, transducers, and programmable controllers in commercial and industrial applications. 2 Lec/3 Lab.

351 Industrial Electronics II. (3) II. Formerly IET 452. Prerequisite: EET 257. Applications of industrial control circuitry, optoelectronics, thermal devices, transducers, and the maintenance and repair of electronic systems. 2 Lec/3 Lab.

352 Electrical Power Technology. (3) A. Prerequisite: EET 251 or MFG 250. The production, distribution, measurement, and control of electrical power systems; single phase and three-phase systems, transformers, electrical machinery, and lighting systems. 2 Lec/3 Lab.

354 Microcomputer Electronics. (3) I, II. Formerly IET 458. Prerequisites: EET 253 and 254. System considerations involved in implementing memory and input/output maps, clock and reset circuits, bus controllers, and disk drive controllers. Several microcomputer systems are built in the laboratory. 2 Lec/3 Lab.

355 Automated Process Control. (3) I, II. Prerequisites: EET 252 and 305. An analysis of automated industrial process control systems to include power control, transducers, and process control systems applications as related to the manufacturing industry. 2 Lec/3 Lab.

356 Communication Electronics. (3) I, II. Prerequisites: EET 252 and 305. A survey of digital and analog communication systems with an emphasis on digital communications. Digital, RS-232, Pulse, Microcompter, LANs, AM, FM, TV, fiber optic, and microwave communications are covered in a combination of lecture, demonstration, and laboratory. 2 Lec/3 Lab.

MFG—Manufacturing

101 Introduction to Manufacturing. (3) I, II. A study of future trends and careers in manufacturing. A survey of the manufacturing enterprise. Nature, scope, and general functional characteristics of manufacturing technology.

138 Industrial Materials. (3) I, II. Formerly IET 238. Structure, composition, properties, and common industrial applications of metals, plastics, woods, composites, ceramics, and other materials. Use of common testing machines for standard materials testing. 2 Lec/3 Lab.

142 Basic Wood Processing. (3) A. Formerly IET 142. Manufacturing processes involved in the production of lumber, plywood, and other primary wood products; furniture, cabinets, millwork, and other secondary wood products. Laboratory activity includes instruction in the use of basic woodworking tools and machines, and the production of a small piece of furniture. 2 Lec/3 Lab.

143 Wood Products Industry Exploration. (1) A. Formerly IET 143. Independent exploration of the wood products industry through on-site visitation, observation, and interviews. Each student will be expected to visit at least three different industries.

192 Descriptive Geometry. (3) II. Formerly IET 395. Prerequisite: TEC 190. Application of the theory of orthographic projection to the graphical representation and solution of three-dimensional problems. 2 Lec/3 Lab.

195 2D Computer Aided Drafting. (3) I, II. Formerly IET 195. Prerequisite: TEC 190. A study of the development of computer aided drafting (CAD) and CAD components, fundamentals, drawing and edit commands, input/output devices, and industry applications. The principles of orthographic projection to include auxiliary projection, sections and conventional practices, size description, and dimensions. 2 Lec/3 Lab.

201 Metallic Material Processes. (3) I, II. Prerequisite: MFG 138. Introduction to manufacturing processes involving metallic materials. Families of processes covered are casting, molding, forming, separating, conditioning, assembling, and finishing. 2 Lec/3 Lab.

202 Quality Control. (3) I, II. Formerly IET 302. Prerequisite: STA 270. Basic concepts of statistical quality control as applied to manufacturing operations. Topics include control charts, acceptance sampling, product reliability, quality costs, and quality planning.

211 Graphic Arts. (3) A. Formerly IET 311. An overview of the printing processes including offset lithography, gravure, relief, and screen printing. Typography, image assembly, process photography, image carriers, and image transfer will be emphasized through laboratory activities. 2 Lec/3 Lab.

220 Design for Manufacturability. (3) A. Prerequisite: TEC 190. The fundamental concepts of designing for manufacturing. Topics will include early manufacturing involvement, key design considerations and their influence on manufacturability, designing for automation and robot assembly, and the analysis of various designs.

242 Furniture and Cabinet Construction. (3) A. Formerly IET 242. Prerequisite: MFG 142. Principles of furniture and cabinet construction, elements of structural design, advanced woodworking operations; care and sharpening of tools; related technical information; furniture and cabinet construction and finishing. 2 Lec/3 Lab.

244 Wood and Wood Products Technology. (2) A. Formerly IET 244. Structure, identification, and properties of wood; wood deterioration; wood seasoning; properties and uses of selected wood products. 2 Lec/3 Lab.

250 Electronics in Industry. (3) I, II. Formerly MFG 350. Prerequisite: PHY 132. A survey of electronic devices and systems currently used in industry. Discrete devices include amplifying and power control devices, sensors, digital and computing devices, communication devices, and electromechanical devices. Systems include communications systems, power control systems, and computing systems. 2 Lec/3 Lab.

301 Non-Metallic Material Processes. (3) I, II. Prerequisite: MFG 201. Introduction to manufacturing processes use to shape or form wood, plastic, and composite materials. Families of processes covered are casting, molding, forming, separating, conditioning, assembling, and finishing. 2 Lec/3 Lab.

308 Methods Efficiency Measurement. (3) I, II. Formerly IET 308. An examination of the human factors in motion and time study, motion economy, analysis and charts, photographic and electronic techniques, film analysis, effort rating, work measurement, direct time study, predetermined time study, and standards for pay and production.

310 Computer Communications in Industry. (3) I, II. Prerequisites: ENG 102, TEC 161, and 190. A conceptional approach to computer aided communication systems typically applied in industrial environments. Emphasis will be placed on utilizing computer technology to integrate text and graphics in the preparation of documents and presentation materials.

313 Inks and Substrates. (3) A. Prerequisite: MFG 211. An in-depth study of inks and substrates. Topics include ink formulation, properties, types, problems and solutions; paper manufacture, types, applications, and characteristics. 2 Lec/3 Lab.

314 Graphic Arts Imaging. (3) I. Formerly IET 314. Typography, design, layout, and desktop publishing for the graphic arts.

316 Graphic Arts Photography. (3) A. Formerly IET 316. Prerequisite: MFG 211. An in-depth study and practice in the production of line, halftone, and special effects photographic negatives and positives. Photographic processes are studied including standards and sensitometry as a tool of quality control. 2 Lec/3 Lab.

318 Color Theory and Separation. (3) A. Formerly IET 411. Prerequisite: MFG 316. A study of the methods of color separation and the theory of additive and subtractive color as utilized in the printing industry. 2 Lec/3 Lab.

319 Offset Lithographic Printing. (3) A. Prerequisite: MFG 316. Processes and procedures of offset lithographic printing. 2 Lec/3 Lab.

320 Plant Material Control. (3) A. Prerequisites: MFG 202 and 308. A laboratory course which examines basic plant layout configurations and material flow. A critical evaluation of the application of computers to control material flow plus computer simulation to analyze various options for shop floor scheduling and tracking. 2 Lec/3 Lab.

330 Metrology and Inspection. (3) A. Prerequisite: MAT 108. A laboratory course on the fundamental principles, standards, equipment, and techniques of precision measurement. Emphasis on accuracy, precision, and reliability in mechanical measurements. 2 Lec/3 Lab.

332 Process Control. (3) A. Prerequisite: MFG 202. An in-depth study of the application of control charts to manufacturing processes. Topics include statistical process control, process capability, and continuous process improvement.

334 Quality Sampling Practices. (3) A. Prerequisite: MFG 202. An in-depth study of the application of sampling theory to attributes and variables acceptance sampling in a manufacturing environment. Topics include various sampling plans and standards, and internal and supplier quality audits.

336 Reliability. (3) A. Prerequisite: MFG 202. An overview of reliability theory and testing, including component and system reliability, sampling plans and control charts, maintainability and availability, product safety and liability, and reliability management.

339 Plastic Materials and Processes. (3) A. Formerly IET 239. Prerequisites: MFG 138 and 201. A survey of plastic materials, processing techniques, design considerations, and recycling trends currently used in manufacturing. 2 Lec/3 Lab.

343 Industrial Finishing. (3) A. Formerly IET 343. Prerequisite: MFG 244. Materials and methods of industrial finishing; new finishing methods, including robotics applications; material handling; practice in the application of spray finishes. 2 Lec/3 Lab.

344 Furniture Production. (3) A. Formerly IET 344. Prerequisites: MFG 202 and 242. Industrial machines and processes used in the manufacture of furniture, production planning, prototype construction, and production operations. The class mass-produces a piece of furniture. 2 Lec/3 Lab.

352 Automated Technology Devices. (3) A. Prerequisite: MFG 250 or EET 251. The electronic hardware used in computer integrated manufacturing. Topics include PLCs, interfacing devices, sensors, data entry and bar coding, motors, ADCs, and DACs. 2 Lec/3 Lab.

371 Hydraulics and Pneumatics. (3) I, II. Prerequisite: PHY 131. Principles of the operation, construction, control, and application of hydraulic and pneumatic components and circuits. The study of control applications includes manual, mechanical, fluid, electrical, and computer controlled fluid circuits. 2 Lec/3 Lab.

382 Machine Tool Processes. (3) A. Formerly IET 382. Prerequisites: MFG 138 and 201. A laboratory course involving turning, drilling, sawing, milling, grinding, and precision layout and measuring. Activities include the making of tools, the setup of an automatic turret lathe, and the programming of an NC milling machine. 2 Lec/3 Lab.

383 CAD/CAM Integration. (3) A. Prerequisites: MFG 138 and 201. The use of computer application software to link data bases created with computer aided design software to computer numerical controlled machine tools. 2 Lec/3 Lab.

390 3D Computer Aided Design. (3) A. Formerly MFG 291. Prerequisite: MFG 195. The use of computer aided design software for the creation of a three dimensional data base for describing mechanical products. Emphasis is on the use of solids modeling software. 2 Lec/3 Lab.

392 Computer Aided Machine Drawing. (3) I. Formerly IET 292. Prerequisites: MFG 192 and 195. Computer generated detail and assembly drawings. Topics include threads and fasteners, gearing and cams, and dimensioning and tolerancing. 2 Lec/3 Lab.

393 Dimensioning and Tolerancing. (3) A. Prerequisite: MFG 392. Advanced machine drawing applications to include detail drawings, with heavy emphasis on geometric dimensioning and tolerancing. 2 Lec/3 Lab.

397 Advanced Machine Drawing. (3) A. Prerequisites: MFG 390 and 392. Advanced machine drawing applications to include detail and assembly drawings, threads and fasteners, gearing and cams. Emphasis on shape description. 2 Lec/3 Lab.

406 Manufacturing Planning Systems. (3) I, II. Formerly IET 406. Prerequisites: MFG 202, 308, and MGT 300. A senior project course which examines consumer needs, product design, product engineering, tooling-up for production, establishing production and quality standards, planning and controlling production, and quality.

408 Human Resource Development. (3) I, II. Formerly IET 408. Topics in human relations and production management. To be scheduled the semester before graduation.

410 Flexo and Gravure Printing. (3) A. Prerequisite: MFG 319. An in-depth study of the gravure and flexographic printing processes. Emphasis will be given to the printed product, image carrier preparation, press systems and mechanics, inks, and substrates. 2 Lec/3 Lab.

412 Presswork and Finishing. (3) A. Prerequisite: MFG 319. The functions, makeready processes, and operations of the offset printing press. Finishing operations to include folding, collating, stitching, cutting, perforating, die-cutting, and drilling. 2 Lec/3 Lab.

414 Printing Estimating and Costs. (3) A. Formerly IET 317. Prerequisites: MFG 318 and 412. Methods and procedures of predetermining costs of printed products. The determination of equipment hourly rates and depreciation, cost centers, and equipment purchase decisions will be discussed with emphasis on computer related operations.

422 Integrated Systems. (3) A. Prerequisites: MFG 220, 352, and 382. Corequisite: MFG 320. A laboratory course that utilizes computer technology to manage and control a flexible manufacturing system. Emphasis will be placed on workcell layout, robot and CNC equipment networking, application software, and the development of a flexible manufacturing system project proposal. 2 Lec/3 Lab.

428 CIM Project Implementation. (3) A. Prerequisite: MFG 422. A capstone course in which the students will be expected to apply the concepts and information gained in previous CIM specialty courses. Emphasis will be placed on the completion of a major CIM project by a team of students. 2 Lec/3 Lab.

430 Manufacturing Experiment Design. (3) A. Prerequisites: MFG 332 and 334. Principles and practices of efficient experiment design for industry. Topics include the philosophy of experiment design, comparison of various designs, hypothesis testing, and the analysis of data.

432 Quality Management. (3) A. Prerequisites: MFG 332 and 334. The management of product quality in manufacturing operations. Topics include Deming's Fourteen Points for achieving quality, quality costs, quality function deployment, and Crosby's Fourteen Steps to quality improvement.

444 Manufacturing Practicum. (9) A. An in-plant experience for senior students in manufacturing technology. Through specific directed activities and assignments, students apply classroom learning to real-world situations. A total of 400 clock hours of work experience required.

445 Millwork and Casework Production. (3) A. Formerly IET 445. Planning, estimating, and production of architectural millwork and casework. Materials, machines, and processes used in millwork production. 2 Lec/3 Lab.

494 Machines and Mechanisms. (3) A. Prerequisites: CON 303 and MAT 261. A study of kinematics and dynamics as they relate to mechanisms and machines. Emphasis will be placed on the content of theory, analysis, design, and practice.

497 Senior Project in CAD. (3) A. An exploration of the various elements of design as they relate to creative problem solving in industrial design situations. Emphasis will be placed on team work and group efforts. Manufacturing students with an option in CAD must take this course during their final year. 2 Lec/3 Lab.

GRADUATE COURSES

801 Seminar in Emerging Technology. (3) A.
802 Productivity Assessment and Analysis. (3) A.
804 Project Management. (3) A.
805 Industrial Operations Research. (3) A.
806 Total Quality Control. (3) A.
821 Manufacturing Technology Project. (3-6) A.
822 Manufacturing Internship. (3-6) A.
867 Research in Manufacturing Technology. (3) A.

TEC—Technology, General

141 Elementary Woodworking. (3) I, II. Formerly IET 141. Basic instruction in the use of common hand tools, basic machine operations, problems in furniture construction, related technical information, and finishing materials and methods. Not open to students majoring in a program within the department. 2 Lec/3 Lab.

161 Computer Applications in Industry. (3) I, II. Formerly IET 161. A survey of computer systems and software applications currently being used in manufacturing and construction industries. 2 Lec/3 Lab.

190 Technical Graphics. (3) I, II. Formerly IET 190. Shape and size description of objects using conventional projection techniques—multiview, axonometric, oblique, and perspective. Emphasis is placed on sketching with paper and pencil and with computers. 2 Lec/3 Lab.

194 Architectural Graphic Methods. (3) I. Graphic presentation methods used in architecture and interior design. Hardline drawings using standard drafting conventions and equipment. Emphasis on orthographic, axonometric (paraline), and perspective drawings.

315 Photography I. (3) I, II. Formerly IET 315. Emphasis on black and white photography including use and care of equipment, exposure calculations, and finishing. A slide/tape program will also be produced. Credit will not be awarded to students who have college credit in another photography course. A 35mm camera with adjustable lens and shutter control is required. 2 Lec/3 Lab.

322 Crafts for Children. (3) I, II. Formerly IET 322. Introduction to various craft media and their application in recreational elementary crafts programs. Emphasis on activities appropriate for children and the use of inexpensive and readily available materials. 2 Lec/3 Lab.

332 Product Design. (3) I, II. Formerly IET 332. Prerequisite: TEC 391. Elements of product design as it relates to materials, such as woods, metals, and plastics. Emphasis placed on experimentation and problem solving in developing design solutions, detailed drawings, and illustrations and the presentation of design ideas. 2 Lec/3 Lab.

333 Special Problems in Technology. (1-6) I, II. Formerly IET 333. An independent study course for exceptional undergraduate students. A study proposal will be developed by the student and approved by the faculty supervisor and department chair prior to enrollment. May be retaken provided the topic of study is different.

349 Cooperative Study in Technology. (1-8) I, II. Formerly IET 349. Prerequisite: departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

368 Workshop in Technology. (1-4) A. Formerly IET 368. Presentation of technology topics of a timely or specialized nature in a workshop format. May be retaken provided the topics are different.

391 Technical Illustration I. (3) I, II. Formerly IET 391. Prerequisite: TEC 190. Axonometric projection, oblique, perspectives, and illustration techniques to include pencil rendering and ink delineations.

394 Architectural Drawing I. (3) I, II. Formerly IET 394. Prerequisite: TEC 190. Basic principles of house planning, styles of home architecture, comparative study of building materials, preparation of a complete set of plans and specifications for a small home.

491 Architectural CAD. (3) A. Prerequisites: MFG 195 and TEC 394. Characteristics and operation of a 3D AEC (architectural, engineering, and constriction) computer application system. Topics include representation of 3D objects in computer graphics, features and commands of AEC systems, and applications in architectural drawing and rendering. 2 Lec/3 Lab.

496 Architectural Drawing II. (3) I, II. Formerly IET 496. Prerequisite: TEC 394. Consideration of both residential and commercial buildings with an emphasis on structural design, building methods and materials, mechanical systems, and site planning. Preparation of a complete set of plans for a small commercial building.

501 Special Problems in Technology. (2-6) I, II. Formerly IET 501. An independent study course for exceptional upper division undergraduate students. Students must have the independent study proposal form approved by the faculty supervisor and department chair prior to enrollment. May be retaken provided the topic of study is different.

533 Workshop in Technology. (1-4) A. Formerly IET 533. Presentation of technology topics of a timely or specialized nature in a workshop format. May be retaken if the topics are different.

GRADUATE COURSES

701 Special Problems in Technology. (2-6) I, II.
733 Workshop in Technology. (1-4) A.
830 Creative Problem Solving. (3) A.
898 Thesis I. (3) A.
899 Thesis II. (3) A.

TTE—Technology Teacher Education

163 Production Processes. (3) A. A study of the use of basic tools and machines, to include hand tools and portable power tools. Skills, care, and safety will be stressed. Students will complete a series of exercises that will cause them to demonstrate their skills and knowledge. 2 Lec/3 Lab.

233 Problem Solving and Design. (3) A. Formerly IET 233. Prerequisites: TEC 190 and TTE 163. Study and application of the principles of three-dimensional design related to various media, emphasis on experimentation and problem solving in developing and construction design solutions. Technical illustration techniques to include pencil rendering, ink delineation, and other methods. 2 Lec/3 Lab.

261 Foundations of Industrial Education. (3) I. Formerly IET 261. A study of the historical, philosophical, economical, sociological, and psychological foundations of industrial education related to elementary, secondary, and post-secondary industrial education.

361 Course Materials in Technology Education. (3) I. Formerly IET 361. The preparation of instructional materials and instructional techniques, including the development and use of visual aids. The content will include the development of curricula at appropriate levels of industrial education and appropriate laboratory activities.

461 Communication Systems. (3) A. Formerly IET 461. Prerequisites: EET 251 and TTE 361. A course for the technology education teacher related to the communication industry and related occupations. The content will include the concepts and principles of communication systems and the impact of this industry on society. 2 Lec/3 Lab.

462 Manufacturing. (3) A. Formerly IET 462. Prerequisites: TTE 163 and 361. A course for the technology education teacher related to the occupations, materials, processes, and tools found in manufacturing industries. Laboratory sessions include designing, operation, and management of a simulated manufacturing activity. 2 Lec/3 Lab.

464 Transportation and Power. (3) A. Formerly IET 464. Prerequisites: TTE 361 and MFG 371. A course for the technology education teacher related to the transportation and power industry to include related occupations. The content will include power mechanics, electrical theory and power, and fluid power, as these relate to the industry. 2 Lec/3 Lab.

465 Construction. (3) A. Formerly IET 465. Prerequisites: TTE 163 and 361. A course for the technology education teacher related to the construction industry, its related occupations, and its function in today's economy. The content will include activities in basic carpentry, electrical wiring, plumbing, masonry, and structural building techniques. 2 Lec/3 Lab.

589 Characteristics and Maintenance of Tools and Machines. (3) A. Formerly IET 589. Prerequisite: TTE 163. The characteristics, preventive maintenance, trouble shooting, and repair of tools and machines. 2 Lec/3 Lab.

GRADUATE COURSES

789 Characteristics and Maintenance of Tools and Machines. (3) A.
800 Industrial Training Materials. (3) A.
801 Industrial Training Methods. (3) A.
802 Industrial Training Practicum. (6) A.
862 Philosophy of the Practical Arts and Vocational Education. (3) II.
864 Technical Education Facility Planning. (3) A.

VIT—Vocational Industrial Teaching

164 Orientation to Vocational Teaching. (1-3) A. Formerly IET 164. Instruction of new vocational teachers in areas of principles of instruction, lesson planning, oral instruction, instructional aids, demonstrations, evaluation and follow-up. Satisfactory-unsatisfactory grading. May not be retaken.

203 Staff Exchange. (2-6) A. Formerly IET 203. For in-service vocational teachers enrolled in an approved staff exchange program designed to update technical skills and knowledge in an industrial setting. First week of exchange is equal to two semester hours of credit with one additional hour of credit for each additional week. Satisfactory-unsatisfactory grading.

204 Related Science, Mathematics, and Technology in Occupations I. (3) A. Formerly IET 204. Offered only through written examination; applicant must be eligible for vocational teaching certificate.

205 Manipulative Skills in Occupations I. (3) A. Formerly IET 205. Offered only through technical competence examination; applicant must be eligible for vocational teaching certificate.

206 Related Knowledge: Occupations I. (3) A. Formerly IET 206. Offered only through written examination; applicant must be eligible for vocational teaching certificate.

264 Instructional Materials. (3) A. Formerly IET 264. Selection and arrangement of teaching content; preparation of assignment, operation and information sheets; development of instructional techniques and general curriculum at appropriate levels of industrial education.

302 New Developments in Industry. (1-6) A. Concurrent enrollment in approved industry sponsored course. One hour credit for each week of enrollment (minimum of 20 class hours per week). Student required to present proof of completion and to develop a teaching unit on the new development. May be retaken provided the industry sponsored school is different. Graded on a satisfactory-unsatisfactory basis. *Only in-service vocational education teachers may enroll.*

304 Related Science, Mathematics, and Technology in Occupations II. (3) A. Formerly IET 304. Offered only through written examination; applicant must be eligible for vocational teaching certificate.

305 Manipulative Skills in Occupations II. (3) A. Formerly IET 305. Offered only through technical competence examination; applicant must be eligible for vocational teaching certificate.

306 Related Knowledge: Occupations II. (3) A. Formerly IET 306. Offered only through written examinations; applicant must be eligible for vocational teaching certificate.

363 Evaluation in Vocational and Technical Education. (3) A. Formerly IET 363. Methods of evaluation, preparation of measuring devices; methods of assessing technical competency; interpretation of standardized test results; statistical analysis of test data and the improvement of instruction.

364 Methods in Vocational-Industrial and Technical Education. (3) A. Formerly IET 364. Presentation and application of instructional materials, methods, techniques, and devices relevant to teaching vocational-industrial and technical subjects.

463 Student Teaching: Vocational Industrial Education. (12) A. Formerly IET 463. Observation, participation, and supervised teaching in vocational-industrial and technical education. Includes experiences in lesson planning, classroom management, record keeping, development and use of instructional materials, and directed teaching in approved centers. Students are graded on a satisfactory-unsatisfactory basis.

469 Seminar in Teaching Industrial Education. (4) A. Formerly IET 469. A seminar in lieu of student teaching at the appropriate level, designed to provide additional certification for students who have completed four years of successful teaching experience or for students who have completed the dual certification.

504 Industrial Education Staff Exchange. (2-6) A. Formerly IET 504. For in-service teachers enrolled in a staff exchange program designed to update technical skills in a proper industrial setting. Written reports are required. First week of exchange is equal to two hours of credit with one additional hour of credit for each additional week. May be retaken provided the industrial setting is different. Satisfactory-unsatisfactory grading.

561 Evaluation in Technical Education. (3) A. Formerly IET 561. Strategies and methods for evaluation in technical education; identification and analysis of context, input, process, and outcomes; preparations, use, and analysis of measuring instruments.

GRADUATE COURSES

704 Industrial Education Staff Exchange. (2-6) A.
761 Evaluation in Technical Education. (3) A.
861 Supervision in Technical Education. (3) A.
863 Organization and Administration of Technical Education. (3) A.

AVIATION

W. Walker, Coordinator; Henemier.

The aviation program curricula provides for a Bachelor of Science degree with an aircraft professional pilot major. In addition to regular academic courses, this degree requires Federal Aviation Administration (FAA) flight certification in six areas: private, instrument, commercial, CFI, CFII, and multi-engine. A flight minor is available requiring several academic and flight courses, but only one (private pilot) FAA certificate. A non-flight minor in aviation administration is also available. Regular academic courses are taken on the University campus with flight training provided in fixed-wing aircraft at the local airport under contractual agreement with a fixed base operator.

The aviation major or minor is designed to enhance the student's occupational opportunities in aviation and aviation related industries as well as provide support for degrees in varying technical and business fields. All aviation courses may be taken as free or restricted electives.

Aircraft Professional Pilot

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 47 hours
AVN 150 or 192; 192A, 201A, 202A, 220, 220A, 225A, 226A, 227A, 228A, 300, 300A, 310, 310A, 315, 320, 320A, 325, 350, 400A, 410, 425, 460, GEO 210, and 215.

Supporting Course Requirements ..... 42-44 hours
CSC 171 and 172 or 174; ECO 230, 231; MAT 107 and 108 or 109; 115 and 121 or 211; MGT 300, 480, PHY 131, 132, PSY 202, SPE 100, and STA 215.

General Education Requirements ..... 28 hours
Standard General Education program, excluding courses categories 03, 04, 09, 12, 14, and 15. Refer to Part Three of the *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
ATO 100 and eight hours of restricted electives.

Free Electives ..... 0-2 hours

Total Curriculum Requirements ..... 128 hours

MINOR IN AVIATION (FLIGHT)

A student may minor in aviation (flight) by completing a minimum of 19 hours as follows: AVN 150, 192, 192A, 220, 220A, 300, GEO 170, and 215.

MINOR IN AVIATION ADMINISTRATION

A student may minor in aviation administration by completing a minimum of 21 semester hours as follows: AVN 150 or 192; 315, 350, 410, 450, 460, and three hours of approved electives. No more than 12 hours of courses taken for an aircraft professional pilot major may be counted toward the minor in aviation administration.

FEES

Fees are attached to two regular academic courses (AVN 192 and 220). These fees provide for books and supplies and the FAA Written Examination. Fees are also attached to all flight courses (e.g., AVN 192A, 201A-205A, 220A, 225A-228A, 300A, 310A, 320A, and 400A). These fees represent flight time costs necessary to complete the requirements of the courses, but may or may not provide students with the appropriate FAA certification. The fee charges are predicated on the contractual price for flight instructors and rental of aircraft and are subject to change at the beginning of each academic year. A fee charge schedule may be acquired, upon request, from the aviation program office.

Course Descriptions

AVN—Aviation

150 Introduction to Aviation. (3) A. An introductory course specifically designed for students to obtain a broad understanding of the aviation world including varying aspects of space exploration. Includes a study of aviation history and the general aviation environment.

192 Private Pilot: Ground. (3) A. An introduction to flying designed to provide all aeronautical information necessary to successfully complete the FAA written examination for private pilots. An integrated lecture and laboratory effort in which simulators and actual aircraft are used.

192A Private Pilot: Flight. (1) A. Prerequisite or Corequisite: AVN 192 or special approval. This course consists of all dual and solo flight hours and experiences required for the private pilot certification with the Federal Aviation Administration.

201A-202A-203A-204A-205A Intermediate Supervised Flight I, II, III, IV, V. (.5 each) A. Formerly AVN 201-202-203-204-205. These courses are designed to permit students holding the private pilot license (AVN 192A) to acquire additional supervised flight time. These courses include approximately 12 flight hours each.

220 Instrument Pilot: Ground. (3) A. Prerequisites: AVN 192 and 192A or equivalents. This course is designed to be integrated with AVN 220A and includes studies of aircraft operations under instrument conditions inclusive of the rules and regulations governing non-visual flight.

220A Instrument Pilot: Flight. (1) A. Prerequisites: AVN 192, 192A, or equivalent inclusive of a private pilot license, AVN 220, and a minimum of 40 hours of cross-country flight time as pilot-in-command; or coordinator approval. A laboratory course integrated with AVN 220.

225A-226A-227A-228A Advanced Supervised Flight I, II, III, IV. (.5 each) A. Formerly AVN 225-226-227-228. Prerequisites: private pilot license and instrument rating (or equivalents). Laboratory courses designed to permit students in sequence flight time leading toward acquisition of a FAA Commercial Rating. Each of these courses require 12 hours of flight in a high performance aircraft.

300 Commercial Pilot: Ground. (2) A. Formerly AVN 250. Prerequisites: AVN 192, 192A, 220, and 220A or equivalents. The course consists of instruction emphasizing airplane operating procedures, proper airplane flight control, air and ground safety, traffic control procedures, commercial flight maneuvers, national airspace systems, terminal and enroute charts, navigation procedures and communications.

300A Commercial Pilot: Flight. (1) A. Formerly AVN 250A. Prerequisites: AVN 192, 220, 300, and a minimum of 200 flight hours inclusive of a private pilot license (AVN 192A); or coordinator approval. A one hour laboratory course taught with AVN 300. The course consists of all or part of the dual and solo flight hours required for FAA commercial pilot certification.

310 CFI-Airplane: Ground. (4) A. Prerequisites: appropriate flight credentials. A study of basic information regarding fundamentals of teaching and learning (including effective teaching methods), aerodynamics helpful to flight instruction, and flight instructor responsibilities.

310A CFI-Airplane: Flight. (1) A. Prerequisites: appropriate flight credentials and AVN 310; or coordinator approval. Flight training to prepare students to take FAA flight test for CFI.

315 Flight Safety. (3) I, II. A presentation and analysis of factors and procedures relating to aviation safety inclusive of techniques for accident prevention, development of safety programs, procedures used in accident investigation, and the human factor.

320 CFI-Instrument: Ground. (2) A. Prerequisite: appropriate flight credentials. A study of aeronautical information and instructional background necessary for becoming instrument flight instructors. Included in the course is teaching methodology, instrument interpretations, and instrument flight procedures.

320A CFI-Instrument: Flight. (1) A. Prerequisites: appropriate flight credentials and AVN 320; or coordinator approval. Flight training to prepare the student for the FAA flight test for CFII.

325 Advanced Aircraft Systems. (3) I, II. A study of electrical, mechanical and hydraulic systems, design and performance standards, capabilities and limitations, and conformance to FAA specifications.

335 Weather Reporting/Analysis. (3) I, II. A comprehensive analysis of weather conditions and patterns as they apply to flight.

349 Cooperative Study: Aviation. (1-8) A. Prerequisite: coordinator approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. A minimum of 80 hours work required for each academic credit.

350 Air Transportation. (3) I, II. A survey of the historical development of the air transportation system covering facilities, impact of regulations, problems encountered, and future requirements.

360 Problems In Aviation Administration. (3) I, II. Designed for utilization of aviation industry case studies to introduce the techniques, methods, and procedures for problem solving.

370 Techniques: Aviation Supervisors. (3) I, II. A study of effective personnel management theory through application to practical situations in the aviation industry.

390 Aviation Administration Decision Making. (2) I, II. A study of decision theory and its application to aviation administration decision-making and problem solving processes.

400A Multi-Engine Pilot. (1) A. Formerly AVN 400. Prerequisite: appropriate flight credentials. A one hour laboratory course inclusive of aeronautical information necessary to operate multi-engine aircraft including dual and solo flight hours required for FAA certification.

410 Air Traffic Control. (3) I, II. A study of the national air traffic control system with emphasis on basic air traffic control procedures; the role of centers, approach control, towers, and flight service centers; communications; navigation procedures, radar operations, facilities.

420 CFI Multi-Engine: Ground. (2) A. Prerequisite: appropriate flight credentials. Principles and methodology of teaching multi-engine flight and includes ground instruction required by the FAA in preparation for a flight instructor multi-engine rating.

420A CFI Multi-Engine: Flight. (1) A. Prerequisites: appropriate flight credentials and AVN 420; or coordinator approval. Flight training to prepare the student for the FAA CFI Multi-Engine flight test.

425 Advanced Aerodynamics. (3) A. Prerequisites: PHY 131 and 132. Advanced theories of flight and flight factors as well as advanced principles of performance.

450 Aviation Administration. (3) I, II. Prerequisite: AVN 150 or 192. A study of guidelines for aviation management and administrative functions including problems, trends, and planning regarding operation of airports.

460 Aviation Legislation. (3) I, II. Prerequisite: AVN 150 or AVN 192; or coordinator approval. A study of civil law as it pertains to aviation and includes the historic development of United States and international aviation law while surveying governmental responsibility for aviation accidents.

470 National Air Space System. (3) I, II. An overview of the National Air Space System with emphasis on problems of implementation, safety considerations, and social/economic impact.

498 Independent Study. (1-3) A. Prerequisite: AVN major with senior standing. Student must have the independent study proposal form approved by faculty supervisor and program coordinator prior to enrollment. May be retaken to a maximum of six hours.

DEPARTMENT OF

MILITARY SCIENCE (ARMY ROTC)

D. Shrout, Chair; Carino, Coachman, Cowell, Crabtree, Lewis, Maae, Malone, Morin, Register.

The mission of Eastern Kentucky University's Army ROTC Department is to commission the future officer leadership of the United States Army and to motivate young people to be better Americans. This is accomplished by providing a means for college students to pursue an Army commission as a second lieutenant while achieving their academic goals in their chosen field of study. Non-scholarship students may enroll in the first two years (MIL 100-200 level courses) of Army ROTC *without obligation* to the military. These students gain an appreciation of the roles and missions of our national defense structure as well as military history. These courses also count as restrictive elective credit, applicable to any major on-campus. Students whose future employment goals may require leadership or managerial skills, those with an interest in our national defense structure, or those who wish to explore the benefits of a career in the U.S. Army Reserves, National Guard, or active federal service are encouraged to take the introductory courses. Students who desire to receive a commission must contract to complete the advanced courses (MIL 300-400 level courses) and ROTC Advanced Camp before commissioning.

A two-hour leadership lab is held each week and is required for all registered MIL 203, 301, 302, 401, and 402 students. A 60 minute physical training lab is held three times weekly for all MIL 300 and 400 level courses. Uniforms are issued for leadership lab participants. A $100.00 monthly allowance is paid to all scholarship, advanced course students and students participating in MIL 300 and 400 level courses.

A complete military science program is four years in length and is designed to supplement and complement any regular baccalaureate degree program. Successful completion of the advanced military science program qualifies a student for commission as a second lieutenant in one of the 17 accession branches in the U.S. Army. Entrance into other non-accession branches may occur after additional schooling.

Students desiring to enter the U.S. Army on active duty after completing ROTC must request it through the Professor of Military Science. Competition for active duty is keen. Students who desire to be commissioned in the Army Reserves or National Guard may sign a guaranteed reserve forces duty contract.

ADVANCED PLACEMENT CREDIT

U.S. military veterans, Reserve, or National Guard personnel who have completed 90 days active duty for training, students with three or more years of junior ROTC, and academic sophomores who complete MIL 210 (six-week Army ROTC Basic at Fort Knox, KY) may qualify for entry into the program at the advanced level. Interested students must be pursuing a four-year degree, have four full semesters of undergraduate degree work remaining at time of entry, and meet all other requisites for commissioned service. A special program for graduate students is also available.

MINOR IN MILITARY SCIENCE

A student may minor in military science by completing 17 hours of advanced military science (MIL 301, 302, 401, 402, and 410) and six hours of electives approved by the Professor of Military Science and Dean of the College of Applied Arts and Technology.

SCHOLARSHIPS

Army ROTC scholarships are available to all students enrolled at Eastern Kentucky University. These scholarships provide full payment of tuition, an allowance for books, and a nontaxable subsistence allowance of $100.00 per month for ten months each year the scholarship is in force. Scholarships are awarded on a competitive basis for two and three years. Initial selection is made on-campus by a board of Army officers. Final selection is made at Fort Monroe, Virginia.

High school students are eligible for four-year ROTC scholarships. Applicants interested in obtaining a four-year scholarship will be evaluated on the basis of the whole person concept. Applications for these scholarships must be submitted to Army ROTC before December 1 of the year prior to enrollment in the program. The financial well being of the guardians is not a factor in these scholarships. Students may qualify for a scholarship:

a. If they are citizens of the United States. Non-citizens are ineligible for scholarship benefits.
b. If they will be at least 17 years of age by October 1, of the year they enter college.
c. If they have no moral obligation or personal conviction that will prevent them from:
   (1) Supporting and defending the Constitution of the United States against all enemies—foreign and domestic.
   (2) Conscientiously bearing arms.
d. If they satisfactorily explain any record of arrest and/or civil conviction.
e. If they receive at least a minimum SAT score of 850 and/or an ACT composite score of 19.

Specific questions should be forwarded to Professor of Military Science, Eastern Kentucky University, Richmond, Kentucky 40475.

Course Descriptions

MIL—Military Science Basic Courses

101 Group Dynamics of Leadership. (2) I, II, A. Development of leadership and problem solving abilities; examination of leadership style, counseling, and team building techniques; comparison of civilian and military leadership; and analysis of the Constitutional and historical basis for the U.S. Army.

102 Dynamics of Leadership and Operational Teamwork. (2) I, II, A. Study of theories, principles, techniques, and fundamentals of map reading and their application. Classes are systematically arranged to promote student participation in group leadership development and problem solving techniques.

202 American Military History. (3) I, II, A. Examines U.S. Military history from pre-revolutionary times to post-Vietnam; defines the principles of war; discusses political-military interactions; develops leadership through group contribution in case studies which apply the principles of war to historical periods.

203 Intermediate Leadership and Management. (2) I, II, A. Provides students continued development of basic military skills through practical leadership experiences in performing emergency medical treatment, drill and ceremonies, physical training and rifle marksmanship. Principles of leadership and management are presented in classroom discussion. 2 Lec/2 Lab.

210 Military Science Practicum Basic. (2, 4, 6) SUMMER ONLY. Introduces Military Science in a comprehensive summer field course designed to be taken in lieu of MIL 101, 102, or 203. This course emphasizes practical field application and leadership development. The camp is held at Fort Knox, Kentucky, and the student is paid for attending the camp.

MIL—Military Science Advanced Courses

Prerequisites: Introduction to Military Science, prior active service, Active Duty for training, or Junior ROTC, acceptance by the Professor of Military Science, and meet Army qualification standards.

301 Advanced Leadership and Management I. (3) I. Introduction to advanced leadership and management, emphasizing the branches of the Army, communication systems, and equipment. Defines principles of leadership and develops leadership through practical application as a leader in field training and physical conditioning. 2 Lec/5 Lab.

302 Advanced Leadership and Management II. (3) II. Develops leadership and management ability and military skills in military communications, weapons, and tactics. Develops leadership and command presence through student presentations and practical application as a leader in field training and physical conditioning. 2 Lec/5 Lab.

401 Fundamentals and Dynamics of the Military Team I. (3) I, A. Develop staff officer skills in leadership and management through decision making and problem solving techniques through military planning, administrative and logistical management and detailed training management. 3 Lec/5 Lab.

402 Fundamentals and Dynamics of the Military Team II. (2) II, A. Discusses the impact of world affairs on U.S. Armed Forces; defines overall professional and ethical responsibilities of military officers; development of military management techniques; establishes a basic understanding of military justice and the Geneva convention. 2 Lec/5 Lab.

410 Military Science Practicum Advanced. (6) SUMMER ONLY. Develops leadership through intensive six-week summer field courses at Ft. Bragg, NC of rotating leader/command experience in problem analysis, decision making, and troop leading while providing in-depth coverage of technical and tactical subjects.

AIR FORCE RESERVE OFFICERS' TRAINING CORPS

(AIR FORCE ROTC)

The purpose of the Air Force Reserve Officers' Training Corps (Air Force ROTC) is to provide a means for college students to pursue an Air Force commission as a second lieutenant while achieving their academic goals in their chosen field of study. Air Force ROTC provides the Air Force with civilian educated officers and provides students with well-paying, challenging positions after graduating from college. Air Force ROTC improves and strengthens the qualities of decision-making, responsibility, and maturity in its students and helps them to develop leadership ability.

To receive a commission, Air Force ROTC cadets must complete all requirements for a degree according to university rules and regulations as well as completing specified Air Force ROTC courses. Air Force ROTC courses are usually taken for academic credit as part of a student's electives.

ADMISSION TO THE PROGRAM

The two major phases of the curriculum are the General Military Course (GMC) and the Professional Officer Course (POC). The GMC generally is taken during the first two years of college. It covers two main themes - the contemporary Air Force and its organization and the development and history of air power. The GMC is open to all students and those enrolled in this program incur no military obligation. A leadership seminar is also offered during each semester. During these sessions cadets learn Air Force customs and courtesies, proper wear of the uniform, and the fundamentals of Air Force drill and ceremonies. Both the academic course and the leadership seminar are taught on-campus at Eastern Kentucky University. Students initially registering for the GMC should sign up for these classes in the same manner they register for other college courses. Normally, students will enroll in both the academic class and leadership seminar.

The last two years called the Professional Officer Course (POC) is normally taken during the junior and senior years of college. The POC curriculum covers Air Force management, leadership, American defense policy, and military law. A basic requirement for entrance into the POC is for the applicant to have two academic years remaining at either the undergraduate or graduate level or a combination of both. Prior enrollment in the GMC is not required for a student to enroll in the POC. Entrance into the POC is competitive. Any student wishing to apply should contact the Professor of Aerospace Studies, University of Kentucky, Lexington, KY, 40506-0028 as early as possible but no later than December of their sophomore year in college or the year they desire to compete. Applicants for the POC attend a four or six week field training session during the summer preceding entry into the POC. Cadets receive travel pay to and from field training and are paid for the time spent there.

SCHOLARSHIPS

Scholarships are available to qualified students who enroll in the Air Force ROTC program. These scholarships provide full payment of tuition, laboratory fees, an allowance for books, and a monthly nontaxable subsistence allowance.

Scholarships are awarded to cadets on a competitive basis for 2, 2 1/2, 3, and 3 1/2 years. Initial selection is made on-campus by a board of Air Force ROTC officers. Final selection is made by a central selection board at Air Force ROTC headquarters.

High school students are eligible for four-year Air Force ROTC scholarships. Applicant interested in obtaining a four-year scholarship will be evaluated on the basis of (1) results of the American College Test (ACT) or Scholastic Aptitude Test (SAT); (2) high school academic record; (3) extra curricular and athletic activities; (4) personal references; and (5) ability to qualify on an Air Force medical examination.

High School students who feel they can meet the basic eligibility requirements for a four-year scholarship must submit an application to Air Force ROTC before December 1 of the year prior to enrollment in the program. All selections for four-year scholarships are made at Air Force ROTC headquarters. High school students should contact their school guidance counselor or principal during the latter part of their junior year or early in their senior year for application cards. They may also contact the Professor of Aerospace Studies, University of Kentucky, Lexington, KY, 40506-0028 or write directly to Air Force ROTC/RR, Maxwell AFB, AL, 36112-6663. Questions about these or any other Air Force ROTC programs may be directed to the Department of Aerospace Studies, AFROTC Det. 290, University of Kentucky, Lexington, KY, 40506-0028 or call collect (606) 257-7115.

MINOR IN AEROSPACE STUDIES

Minor Requirements ..... 18 hours

AFS 331, 332, 333, 334, 341, 342, 343, 344, and three hours of an elective approved by the Dean of College of Applied Arts and Technology and the Professor of Aerospace Studies.

Course Descriptions

AFS—Aerospace Studies (Air Force ROTC)

Leadership Seminar is open to students who are members of the Reserve Officer Training Corps or are eligible to pursue a commission as determined by the Professor of Aerospace Studies.

111 Aerospace Studies I. (1) I. This course deals with the Air Force in the contemporary world through a study of the total force structure, strategic offensive and defensive forces, general purpose forces, and aerospace support forces.

112 Aerospace Studies I. (1) II. A continuation of AFS 111.

113 Leadership Seminar. (1) I. Prerequisite: AFS 111 or 211. Introduces Air Force customs and courtesies, drill and ceremonies, and wear of the uniform. The course also includes a discussion of career opportunities in the Air Force.

114 Leadership Seminar. (1) II. Prerequisite: AFS 112 or 212. A continuation of AFS 113.

211 Aerospace Studies II. (1) I. This course is a study of air power from balloons and dirigibles through the jet age; a historical review of air power employment in military and nonmilitary operations in support of national objectives; and a look at the evolution of air power concepts and doctrine.

212 Aerospace Studies II. (1) II. A continuation of AFS 211.

213 Leadership Seminar. (1) I. Prerequisites: AFS 111 or 211; AFS 113, and 114. Builds on the foundation established during AFS 113 and 114. Air Force customs, courtesies, and opportunities are again emphasized. The cadet is prepared for individual, flight, and squadron movements in drill and ceremonies.

214 Leadership Seminar. (1) II. Prerequisites: AFS 112 or 212; AFS 113, and 114. A continuation of AFS 213. Emphasis on preparing cadets for attendance at field training during succeeding summer.

331 Aerospace Studies III. (3) I. Prerequisite: acceptance into the professional officer course. A study of management functions with emphasis on the individual as a manager in an Air Force environment. Individual motivational and behavioral process, communication, and group dynamics are included for the development of professional skills.

332 Aerospace Studies III. (3) II. Prerequisite: AFS 331. A study of leadership with specific emphasis on the Air Force leader. Includes theoretical, professional, and communicative aspects. In addition, military justice and administrative law are discussed within the context of the military organization.

333 Leadership Seminar. (1) I. Prerequisite: AFS 331. Involves the cadets in advanced leadership experiences to prepare for active duty. Cadet responsibilities include planning, organizing, directing, coordinating, and controlling the activities of the cadet corps and preparing briefings and written communications.

334 Leadership Seminar. (1) II. Prerequisite: AFS 332. Cadets continue preparations for fulfilling leadership positions as an active duty Air Force officer.

341 Aerospace Studies IV. (3) I. Prerequisites: AFS 331 and 332. A study of the military profession, civil-military interactions, communicative skills, framework of defense policy, and formulation of defense strategy.

342 Aerospace Studies IV. (3) II. Prerequisite: AFS 341. Continues the study of strategy and the management of the conflict, formulation and implementation of U.S. defense policy, defense organization, and case studies in defense policy making.

343 Leadership Seminar. (1) I. Prerequisite: AFS 341. Involves the cadets in higher level advanced leadership experiences similar to those in AFS 333. In addition, the cadets receive a final block of instruction for Initial Commissioned Service.

344 Leadership Seminar. (1) II. Prerequisite: AFS 342. Cadets prepare for Initial Commissioned Service by fulfilling advanced leadership positions. Continued emphasis on group dynamics and the role of future leaders in the Air Force.

395 Independent Work. (2-6) A. Prerequisite: approval of professor of aerospace studies. A study of an advanced problem on a subject area in aeronautical science under the guidance of a departmental staff member. One discussion per week; term paper required.

COLLEGE OF ARTS AND HUMANITIES

DAN ROBINETTE, DEAN

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The purpose of the College of Arts and Humanities is to provide for all students the artistic and humanistic elements of a liberal education. By cultivating the intellect, a liberal education allows individuals to be at home in any society, to be more aware of their own internal and external resources, and to choose more capably their values and goals.

By concentrating on interpretations of humanity through the intellectual and expressive arts, the College can provide students both with the understanding to form their own interpretations of what it means to be human and with the skills to express that understanding. The College offers these educational opportunities not only to its own majors and minors but also to students in all other colleges in the University, especially through the humanities component of general education.

The College of Arts and Humanities offers instruction for professional and pre-professional fields and cooperates with other colleges in providing upper level courses and programs; it further cooperates with the Graduate School in offering graduate courses and programs.

DEGREES OFFERED

The following degrees are granted: Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Music Education, and Bachelor of Individualized Studies.

The Bachelor of Arts is conferred upon students who major in art, English, French, German, music, philosophy, religion, Spanish, speech communication, speech and theatre arts, and theatre arts. The Bachelor of Fine Arts is conferred upon students in art and in performing arts.

GRADUATE PROGRAMS

In cooperation with the Graduate School, the College offers the Master of Arts, Master of Music, and (in cooperation with the College of Education) the Master of Music Education. The Master of Arts is offered in English. The College of Education offers the Master of Arts in Education with an emphasis in art and English; the departments in the College of Arts and Humanities cooperate in presenting these programs, which are described in the *Graduate Catalog.*

DEGREE REQUIREMENTS

General University requirements described on page 25 in Part Three of this *Catalog*, as well as specific course requirements set forth in the description of curricula, must be met by students completing baccalaureate programs administered by the College of Arts and Humanities. (See programs under each department for major and minor requirements.) Common to all programs is the Academic Orientation course (AHO 100) of the College of Arts and Humanities.

In addition to the general University requirements, specific requirements for the College of Arts and Humanities are as follows.

1. A grade point average (GPA) of 2.0 in the major is required (certain programs require a higher GPA).
2. All students must have an area of concentration or a major program. While either a minor or a second major is recommended for all programs, a teaching minor is required for the following teaching majors: German and speech and theatre arts. Some of the hours for a minor may also count as electives and general education, if appropriate.
3. Students who transfer from other institutions must earn no fewer than six hours in the area or major at Eastern, the exact minimum to be determined by consultation of the advisor, departmental chair, and dean. At least three hours of the minor must be earned at Eastern.

PLANNED CURRICULUM

Upon completion of 60 hours, a planned curriculum (which specifies the remaining graduation requirements) must be initiated by consulting the faculty advisor in the major department. Teaching majors must have been admitted to the teacher education program prior to the preparation of a planned curriculum. Any subsequent change in the planned curriculum is proposed on forms available in the office of the advisor.

APPLICATION FOR GRADUATION

Students must file an application for graduation in the dean's office no later than April 30 for December graduation and no later than October 31 for either May or August graduation. **It will be the student's own responsibility to plan and register for the proper courses to meet all graduation requirements.**

GRADUATE COURSE CREDIT

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart.

Bachelor of Individualized Studies Degree

The Bachelor of Individualized Studies (B.I.S.) degree is administered by the B.I.S. Review Board consisting of faculty and administrators from three colleges: Arts and Humanities, Natural and Mathematical Sciences, and Social and Behavioral Sciences. It is intended for students whose goals extend beyond traditional majors and whose integrative abilities permit them to plan and follow a personalized, unique program (e.g., medical illustration, combining biology with art, or theatre management, combining theatre with business). A student submitting a proposal to the B.I.S. Review Board should have in the semester of entry a minimum of 30 hours and a maximum of 75 hours, a cumulative GPA of 2.5, and a "C" average in ENG 101 and 102 (or 105). For further information, see the Dean of the College of Arts and Humanities.

Major Requirements ..... 45-48 hours
A minimum of 42 hours, of which at least 27 hours must be at the 300 level or above, selected with the aim of contributing to the interdisciplinary theme, topic, and/or goal; and CAH 499 to be completed in the last semester.

General Education Requirements ..... 46 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
AHO 100 and eight hours of restricted electives.

Free Electives ..... 25-28 hours

Total Curriculum Requirements ..... 128 hours

ARTS AND HUMANITIES COURSES

AHO—Orientation

100 Arts and Humanities Orientation. (1) I. An introduction to the programs of the University and the College. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned.

CAH—Interdisciplinary

315 Topics in Humanities General Education: ____. (3) A. An experimental general education course designed to fulfill the requirements for category 08 of Area II. Content will vary with each offering. May not be retaken.

499 Independent Work. (3-6) I, II. Prerequisite: cumulative GPA of 2.5 in Bachelor of Individualized Studies degree. Independent research and/or field work required for the program of B.I.S.

500 Interdisciplinary or Transdisciplinary Seminar. (3) A. In-depth consideration of problems which involve several disciplines. A different problem may be considered each time the course is offered. May be retaken to a maximum of six hours.

GRADUATE COURSE

700 Interdisciplinary or Transdisciplinary Seminar. (3) A.

DEPARTMENT OF

ART

T. Glotzbach, Chair; Adams, Civey, Dewey, Halbrooks, C. Hale, P. Harris, Helmuth, R. Isaacs, Kurzinger, Molinaro, Spears, Whitcopf.

The Department of Art offers curricula designed to develop the skills and understandings necessary to professional practice in the visual arts, to the teaching of art in the elementary and secondary schools, and to more complete living in our contemporary society.

The curricula are arranged in two undergraduate degree programs, a Bachelor of Arts and a Bachelor of Fine Arts, and one graduate degree program in cooperation with the Graduate School and the College of Education.

Art

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 45 hours

Studio Foundations ..... 15 hours
ART 100, 101, 102, 103, and 104.

Art Core ..... 30 hours
ART 202, 203, 205, 207, 230, 239, 390, 391, 562, and three hours art history elective.

General Education Requirements ..... 46 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
AHO 100 and eight hours of restricted electives.

Free Electives ..... 28 hours

Total Curriculum Requirements ..... 128 hours

Art (Teaching)

AREA OF CONCENTRATION (BACHELOR OF ARTS)

Major Requirements ..... 48 hours

Studio Foundations ..... 15 hours
ART 100, 101, 102, 103, and 104.

Art Core ..... 33 hours
ART 202, 203, 205, 207, 230, 239, 390, 391, 430, 562, and three hours art history elective.

Teacher Education Requirements ..... 28 hours
EDF 102, 202, 317, EPY 318, ESE 440, 498, and 499.

General Education Requirements ..... 40 hours
Standard General Education program, excluding course categories 07 and 08. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
AHO 100 and eight hours of restricted electives.

Free Electives ..... 6 hours
ELE 361 is strongly recommended and ELE 541 is required for K-12 certification.

Total Curriculum Requirements ..... 131 hours

MINOR IN ART

A student may minor in art by completing a minimum of 18 hours as follows: ART 100, 102, 103; 390 or 391; and six hours of art electives.

MINOR IN ART (TEACHING)

A student may minor in art (teaching) by completing a minimum of 21 hours as follows: ART 100, 102, 103, 203; 390 or 391; 430, and three hours of art electives.

BACHELOR OF FINE ARTS DEGREE

The Bachelor of Fine Arts (B.F.A.) degree is a highly specialized program designed to prepare the student for professional practice in the visual arts. The program offers six studio options: ceramics, design, jewelry and metalsmithing, painting, printmaking, and sculpture. The program contains 73 hours of art, 15 of which are in a chosen studio option, 12 hours art electives, 15 hours in studio foundations, with the remaining 31 hours in an art core. Each student will complete a 15 hour studio option and 12 hours of art electives except those in design who complete a 27 hour design option with no art electives.

A student will be eligible to apply for entrance to the program in the last semester of the sophomore year or first semester of the junior year provided that the following courses have been or are being taken at the time of application: all foundation courses (ART 100, 101, 102, 103, 104); at least two 2-dimensional courses and two 3-dimensional courses from ART 202, 203, 205, 207, 230, or 239; one elective in the proposed B.F.A. area; have maintained a 3.0 grade point average or higher in all art courses; and have a minimum of at least 24 hours remaining to be taken as a candidate for the B.F.A. degree. In addition the student is required to pass, by the required dates, a portfolio entrance review, a mid-program portfolio review, a final exhibition review, and submit an acceptable thesis paper.

A student wishing to pursue the B.F.A. degree should consult with a departmental advisor to obtain a copy of the Entrance Criteria and Degree Requirements for the B.F.A. prior to application for admission to the program.

Art

STUDIO OPTIONS (BACHELOR OF FINE ARTS)

Major Requirements ..... 73 hours

Studio Foundations ..... 15 hours
ART 100, 101, 102, 103, and 104.

Art Core ..... 31 hours
ART 202, 203, 205, 207, 230, 239, 390, 391, 499, 562, and three hours art history elective.

B.F.A. Studio Options ..... 15 or 27 hours

Ceramics ..... 15 hours
ART 348, 359, 459, 469, and 470.

Design ..... 27 hours
ART 206, 306, 311, 350, 351 or 352, 353, 449, and 450 with additional requirements of BEM 395.

Jewelry and Metalsmithing ..... 15 hours
ART 339, 340, 342, 439, and 440.

Painting ..... 15 hours
ART 302, 303, 304, 403, and 404.

Printmaking ..... 15 hours
ART 331, 332, 437 for six hours, and 438.

Sculpture ..... 15 hours
ART 307, 347 for six hours, 426, and 427.

Art Electives ..... 12 hours
Hours to be taken outside the student's selected option, nine hours must be upper division. (Due to a 27 hour option, design majors do not have the 12 hour art elective requirement.

General Education Requirements ..... 40 hours
Standard General Education program, excluding course categories 07 and 08. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
AHO 100 and eight hours of restricted electives.

Free Electives ..... 6 hours

Total Curriculum Requirements ..... 128 hours

GRADUATE PROGRAMS

The Master of Arts in Education degree with an option in art is offered in the College of Education with the cooperation of the Department of Art. The regulations for the degree may be found in the College of Education section of the *Graduate Catalog*.

Course Descriptions

ART—Art

100 Drawing I. (3) I, II, A. Introduction to basic principles and techniques of drawing, emphasizing perceptual skills and the use of value and line.

101 Drawing II. (3) I, II, A. Prerequisite: ART 100. Continuation of ART 100, with an emphasis on the human figure as subject matter.

102 Design, Two-Dimensional. (3) I, II. Introduction to the elements and principles of design as they apply to the two-dimensional surface.

103 Design, Three-Dimensional. (3) II. Introduction to the methods, materials, and concepts related to the control of space.

104 Concepts of Art. (3) I, II, A. Introductory course covering the artist's relationship to society, art criticism, and fundamental art concepts and processes.

200 Art Appreciation: Orientation. (3) I, II. Introduction to the visual arts and their purposes, emphasis on ways and means available to the artist. Student has opportunity for individual expression through a visual arts medium. Not open to art majors or minors. Gen. Ed. 07.

202 Ceramics I. (3) A. Introductory experiences with ceramic handbuilding and decorating techniques and materials. Emphasis placed upon the application of clay to design problems involving aesthetic value and procedure in the making of ceramic objects.

203 Painting I. (3) I. Prerequisites: ART 101 and 102. Introduction to painting, emphasizing basic painting techniques and concepts, perceptual skills, and the use of color.

205 Art Photography. (3) A. Prerequisite: ART 102, 103, or instructor approval. Introductory course in photography as a visual arts medium.

206 Design I. (3) II. Prerequisites: ART 101 and 102. Introduction to the world of professional design, its physical and philosophical makeup. Discussion of varied applications of design and problem solving in each of the areas of specialization.

207 Sculpture Survey I. (3) I, II, A. Prerequisite: ART 103. Provides an introduction to basic sculpture problems, approaches, and techniques. Course problems are set in additive, substitutive, and constructive processes.

230 Printmaking I. (3) A. Formerly ART 330. Prerequisites: ART 101 and 102. Introduction to basic concepts and techniques of printmaking.

239 Jewelry and Metalsmithing I. (3) I, II. A strong historical and contemporary overview of jewelry and metalsmithing. Attention will be on design relating to the metals field. Students explore basic techniques of piercing, sawing, embossing, soldering, simple stone setting, and casting.

300 Drawing Media. (3) A. Prerequisite: ART 101. Investigation of various media for drawing, emphasizing experimentation and the development of technical skills in each.

301 Figure Drawing. (3) A. Prerequisite: ART 101. A drawing course aimed at developing an increased understanding of the human figure and its possibilities as subject matter for art.

302 Painting II. (3) I, II, A. Formerly ART 204. Prerequisite: ART 203. Continuation of ART 203 emphasizing further development of painting skills and conceptual abilities as they relate to image-making.

303 Figure Painting. (3) A. Prerequisite: ART 302. Painting problems involving the human figure as subject matter.

304 Painting Media. (3) A. Prerequisite: ART 302. An investigation of oils, acrylics, and other painting media, emphasizing experimentation and the development of technical skills. Particular attention is given to the appropriateness of media and technique to imagery and content.

305 Photography: Black and White. (3) A. Prerequisite: ART 205. Intermediate course in art photography stressing black and white photography. Builds on creative skills and techniques learned in previous art photography classes.

306 Typography. (3) A. A study of the design and use of letter forms as it relates to graphic design. Emphasis on informational and aesthetic concerns, hierarchy of information, major type families, their characteristics and specifications.

307 Sculpture Survey II. (3) A. Prerequisite: ART 207. Continues the introduction to basic sculptural problems initiated in ART 207. Course problems are set in foundry, subtractive, and mixed media processes.

310 Photography: Studio Photo. (3) A. Intermediate course in art photography stressing studio photography. Builds on creative skills and techniques learned in previous art photography courses.

311 Computer Design. (3) A. Prerequisite: ART 206. An introduction to the creative use of computers in graphic design. Hands-on experience using the computer, scanner, and video output with a variety of 2D design and imaging software.

315 Photography: Color Photo. (3) A. Prerequisites: ART 205 and 310. Intermediate course in art photography stressing color photography. Builds on creative skills and techniques learned in previous art photography courses.

331 Printmaking II. (3) A. Prerequisite: ART 230. Continuation of ART 230 with emphasis on intaglio and relief printmaking processes.

332 Printmaking III. (3) A. Prerequisite: ART 331. The student will work in a specific area of printmaking concentration.

339 Jewelry and Metalsmithing II. (3) A. Prerequisite: ART 239. An extension of introductory jewelry/metalsmithing techniques and design. Allows the student to extend thinking in the direction of both philosophical and technical processes. Techniques include fusing, alternate joining methods, electroplating/forming, and advanced fabrication.

340 Jewelry and Metalsmithing III. (3) A. Prerequisite: ART 339. An advanced course in the design and manufacture of contemporary jewelry. Traditional and non-traditional techniques will be utilized. Discussion of cultural attitudes toward jewelry design.

342 Jewelry and Metalsmithing IV. (3) A. Prerequisite: ART 340. A course concentrating on the history, design, and techniques of hollowware production. Students will explore angle raising, fluting, crimping, sinking, and non-traditional forming as well as the sculptural properties of the raised form.

347 Intermediate Sculpture. (3-6) A. Prerequisites: ART 207 and 307. Provides an in-depth exploration of sculptural problems at the intermediate level, developed through projects designed to fit personal interests. May be retaken to maximum of six hours.

348 Ceramics II. (3) A. Prerequisite: ART 202. Introduction into the wheel forming process with clay. Basic formulation of clay and glazes.

349 Cooperative Study: Art. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

350 Design II. (3) A. Prerequisite: ART 206. Problem solving in the areas of packaging design, corporate design, advertising design, and illustration.

351 Design III - Illustration. (3) A. Prerequisite: admission to the BFA program in design. An introduction to visual imagery as a communicative and narrative medium with an emphasis on black and white and color illustration.

352 Photographics. (3) A. Prerequisite: admission to the BFA program in design. An exploration of photography as an image making tool for the designer. Photographic imaging processes are used as the principle image in design-oriented problem solutions.

353 Image-Assembly (Production). (3) A. Prerequisite: ART 206 and 306. Preparation of mechanicals with regard to the development of printed matter. Students will consider alternatives in the preparation of camera-ready art. The reproduction of typography, illustration, photography, and graphics will be discussed.

359 Ceramics III. (3) A. Prerequisite: ART 348. An exploration into the fundamental structural problems of sculptural ceramic forms. Research into various decorating techniques utilizing clay and glaze.

390 Survey of Art History I. (3) I, II. Study of art from prehistoric times through the Gothic period. Gen. Ed. 07.

391 Survey of Art History II. (3) I, II. Study of art from the Renaissance to the present day. Gen. Ed. 07.

393 Greek and Roman Art. (3) A. Prerequisite: ART 390 or instructor approval. Study of the history of the classical Greek and Roman architecture, sculpture, and painting from the beginnings of Greek art to the time of Constantine.

394 Twentieth Century Painting. (3) A. Prerequisite: ART 391 or instructor approval. Study of the history of European and American painting from 1900 to the present.

395 Nineteenth Century Painting. (3) A. Prerequisite: ART 391 or instructor approval. Study of major painting styles of the century, including neoclassicism, romanticism, realism, impressionism, and post impressionism.

401 Advanced Drawing. (3) A. Prerequisites: ART 300 and 301. Advanced problems in drawing emphasizing personal explorations of media and imagery.

403 Advanced Painting. (3) A. Prerequisites: ART 303 and 304. Advanced problems in painting, emphasizing the student's personal expression through imagery and techniques.

404 BFA Painting. (3) A. Final exit course in BFA painting area with emphasis in professional development. Course includes preparation for senior show, writing of senior thesis, and portfolio assembly.

405 Photography: Advanced. (3) A. Prerequisites: ART 310 and 315. Advanced art photography course which builds on creative skills and techniques learned in prior art photography courses. Stresses development of student initiative/personal expression (style).

410 BFA Photography. (3) A. Prerequisite: ART 405. Culminating experience in art photography serving to crystalize and unify individual expression. The student prepares a portfolio and written statement of personal photographic concerns.

426 Advanced Sculpture. (3) A. Prerequisite: six hours in ART 347. The students sculptural directions are defined and directed at the advanced level, through individually tailored extended projects.

427 BFA Sculpture. (3) A. Prerequisites: admission to B.F.A. sculpture area and six hours of ART 347. Final exit course in BFA sculpture area with emphasis on professional development. Course includes preparation for senior show, writing of senior thesis, and portfolio assembly.

430 Materials Inquiry in Art Education. (3) I. Prerequisite: open to senior art students who plan to teach. Diversified inquiry into art materials and processes in the elementary and secondary schools.

437 Printmaking IV. (3 and 6) A. Prerequisite: ART 332. The student is free to pursue a program of individual interest. Emphasis placed on creativity and professionalism. May be retaken to a maximum of six hours.

438 BFA Printmaking. (3) A. Prerequisites: admission to the BFA program in printmaking and three hours of ART 437. Final exit course in BFA printmaking area with emphasis on professional development. Course includes preparation for senior show, writing of senior thesis, and portfolio assembly.

439 Jewelry and Metalsmithing V. (3) A. Prerequisites: ART 340 and 342. Designed for the advanced student pursuing a career as a professional jeweler/metalsmithing. Attention given to developing a personal design philosophy. Students will submit a work proposal for the semester.

440 BFA Jewelry and Metalsmithing. (3) A. Prerequisites: admission to the BFA program in jewelry and metalsmithing and ART 439. Final exit course in BFA jewelry and metalsmithing area with emphasis on professional development. Course includes preparation for senior show, writing of senior thesis, and portfolio assembly.

449 Design IV - Systems Design. (3) A. Prerequisite: 12 hours of 300 level graphic design. A systematic approach to advanced graphic design. Focus on advanced graphic design using a series format. Both two and three dimensional concerns will be addressed.

450 BFA Graphic Design. (3) A. Prerequisite: ART 449. Final exit course in BFA graphic design area with emphasis in professional development. Course includes preparation for senior show, writing of senior thesis, and portfolio assembly.

459 Ceramics IV. (3) A. Prerequisite: ART 359. An exploration into an independent and personal way of working with clay. Various kiln building and firing techniques will be explored.

469 Ceramics V. (3) A. Prerequisite: ART 459. Continued independent work in clay as defined and directed through individual projects.

470 BFA Ceramics. (3) A. Prerequisites: admission to the BFA ceramics area, and ART 469. Final exit course in BFA ceramics area with emphasis on professional development. Course includes preparation for senior show, writing of senior thesis, and portfolio assembly.

490 Medieval Art. (3) A. Prerequisite: ART 390 or instructor approval. Development of art in Eastern and Western Europe from 313-1400 A.D.

491 Seventeenth and Eighteenth Century Art. (3) A. Prerequisite: ART 391 or instructor approval. Architecture, sculpture, and painting in Europe and the Americas from 1600-1800.

499 Senior Exhibition. (1) A. Prerequisite: graduating senior in the B.F.A. program. Organization and presentation of an exhibition of the student's work.

562 Seminar in Art Criticism. (3) A. Prerequisites: ART 390 and 391. Study of various topics and problems which relate to the student's understanding and critical awareness of the visual arts.

563 Problems in Art. (3) A. Prerequisite: all departmental courses in problem area identified. Limited to seniors. Continuation of study begun in regular departmental courses. May be retaken to a maximum of nine hours.

590 Italian Renaissance Art. (3) A. Prerequisite: ART 391 or instructor approval. In-depth study of selected aspects of the painting, sculpture, and architecture of Italy between 1400 and 1600. The graduate student will be expected to prepare a scholarly paper.

GRADUATE COURSES

762 Seminar in Art Criticism. (3) A.
763 Problems in Art. (3) A.
790 Italian Renaissance Art. (3) A.
821 Drawing. (3) A.
822 Painting. (3) A.
827 Sculpture. (3) A.
829 Ceramics. (3) A.
830 Printmaking. (3) A.

DEPARTMENT OF

ENGLISH

D. Hart, Chair; Allameh, Baechtold, Bedetti, Bennett, Blythe, Bright, Brock, Brosi, H. Brown, R. Burkhart, Clewett, Core, J. Culross, T. Culross, T. Davis, M. Dean, D. Elias, Freed, G. Gray, M. Grise, Harnack, O. Hill, Hunt, Hussey, F. Johnson, Kenkel, Kopacz, Lee-Riffe, J. Levine, Lorenz, Massey, M. Maclaren, Mangus, J. Miller, Mortland, W. Nelson, Patrick, B. Plummer, Remaley, Sowders, J. Steinbach, Stephens, D. Sutton, W. Sutton, Sweet, Szubinska, Warner, Whitaker, I. White, Witt.

The Department of English offers instruction in literature, in writing, and in language study. This instruction is designed for—the preprofessional student, the student who wants to broaden her/his insight into the nature of language and of literature, the student who wants to develop her/his writing abilities, and the student who plans to teach.

The Department also offers instruction in reading and study skills, basic instruction for speakers of English as a second language, and developmental courses for students who have been away from formal learning situations for a period of time or who need to develop basic skills before entering advanced courses.

The Department offers tutorial assistance in reading and writing through its Writing/Reading Center located in Wallace 346 and its Writing lab in Wallace 329.

DEGREES, OPTIONS, MINORS

The Department of English offers two undergraduate degrees:

Bachelor of Arts in English with the following two options
- -Literature emphasis
- -Writing emphasis

Bachelor of Arts in English (Teaching)

The Department of English offers the following two minor programs:

English
English (Teaching)

English

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 39 hours

Core ..... 24 hours
ENG 301, 302**, 350, 351, 352, 353, 410, and 474.

Options

Literature Emphasis ..... 15 hours
A minimum of 15 additional upper division literature hours, three of which must be in British literature and three in American literature, nine of the hours must be at the 400 and 500 level.

Writing Emphasis ..... 15 hours
A minimum of 15 additional hours selected from the following: ENG 300, 306, 349, 420, 500, 502, or 525.

Supporting Course Requirements ..... 12 hours

Literature Emphasis
Six hours of a particular foreign language at the 200 level and six hours from the following with no more than three hours from any one group: SPE 210, 300, 310; HIS 336, 340, 345, 346; THE 390, 391; CIS 212.

Writing Emphasis
Six hours of a particular foreign language at the 200 level and six hours from the following with no more than three from any one group: SPE 320, 350; JOU 201, 305, 307; CIS 212.

General Education Requirements ..... 46 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
AHO 100 and eight hours of restricted electives.

Free Electives ..... 22 hours

Total Curriculum Requirements ..... 128 hours

**Should be taken before enrolling in upper level literature courses (with the exception of ENG 350, 351, 352, and 353).

English (Teaching)

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 33 hours
ENG 301, 302**; 350 or 351; 352 or 353; 405, 410, 474; 510 or 520; and at least nine additional upper division literature hours, three of which must be American literature and three British literature, six of these additional hours must be at the 400 level or above.

Supporting Course Requirements ..... 9 hours
SPE 210 and six hours of a particular foreign language at the 200 level.

Teacher Education Requirements ..... 31 hours
EDF 102, 202, 317, EPY 318, ESE 443, 498, 499, and 574.

General Education Requirements ..... 46 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
AHO 100 and eight hours of restricted electives.

Total Curriculum Requirements ..... 128 hours

**Should be taken before enrolling in upper level literature courses (with the exception of ENG 350, 351, 352, and 353).

TEACHING ENGLISH AS A SECOND LANGUAGE ENDORSEMENT

Students planning to add a teaching English as a second language endorsement to their certification need to take ENG 510, 515, 520, and, in addition to other teacher education requirements listed, EMS 575.

MINOR IN ENGLISH

Requirements ..... 18 hours
ENG 301, 302**, and at least 12 additional upper level hours in literature and/or writing courses.

**Should be taken before enrolling in upper level literature courses (with the exception of ENG 350, 351, 352, and 353).

MINOR IN ENGLISH (TEACHING)

Requirements ..... 24 hours
ENG 301, 302**; 350 or 351; 352 or 353; 405, 410; 510 or 520; and at least three additional upper level hours. Minor is available only to students having a teaching major in another field.

Supporting Course Requirements ..... 3 hours
ESE 574.

Total Curriculum Requirements ..... 27 hours

**Should be taken before enrolling in upper level literature courses (with the exception of ENG 350, 351, 352, and 353).

GRADUATE PROGRAMS

The Master of Arts Degree in English is offered under a thesis or a non-thesis option.

The Masters of Arts in Education degree with an emphasis in English is offered in the College of Education with the cooperation of the Department of English.

For further information concerning graduate programs see the *Graduate Catalog*.

Course Descriptions

ENG—English

090 Basic Writing. (3) I, II. A remedial course in composition emphasizing selected sentence basics and fundamental rhetoric to prepare students for ENG 095 and ENG 101. Exit exam required. Taken by referral or placement. Credit earned is institutional and cannot be used for graduation.

095 Developmental Composition. (3) I, II. An introductory course in composition emphasizing selected sentence basics and rhetoric for short essays and reports to prepare students for ENG 101. Exit exam required. Taken by referral or placement. Credit earned is institutional and cannot be used for graduation.

099 Intensive Writing Review. (3) A. An intensive review of writing skills with special emphasis on audience analysis, invention of ideas, composing, writing, and editing strategies for the production of a substantial portfolio. Taken only by recommendation of college dean. Institutional credit when exit level attained and cannot be used for graduation.

101 English Composition I. (3) I, II. A writing course reviewing sentence basics and methods of paragraph development; emphasizing style, organization, coherence, and persuasion in written discourse; extensive practice in composition for different purposes and audiences; study and practice to improve reading. Entrance and proficiency exam required. Gen. Ed. 01.

102 English Composition II. (3) I, II. Prerequisite: ENG 101 (or equivalent). A writing course reviewing components of ENG 101 and refining general composition skills; emphasis on expository and argumentative writing, including researched, documented papers and reports; study of research sources and methods, with emphasis on analytical reading. Gen. Ed. 02.

105 English Composition Honors. (3, 6) I, II. Advanced writing course, reviewing fundamentals and emphasizing practice writing essays and reports, including researched, documented writing; practice to improve reading and speaking. Taken by referral or placement. Proficiency exam required. Students graded "A" or "B" will receive six hours credit for ENG 105; students with "C" or "D" will receive three hours credit for ENG 105 and must take ENG 102. Gen. Ed. 01 (02).

106 Writing Workshop: ____. (1) I, II. Prerequisite: ENG 101, 105, or departmental approval. A course intended to develop writing abilities through practice in writing processes for varied topics; reading and discussion of rhetoric, grammar, etc. appropriate for the selected topic. Primarily individualized instruction in workshop conditions. May be retaken with different topics to a maximum of three credit hours.

200 Topics in English: ____. (1-3) A. Prerequisites: ENG 101 and 102 (or 105). Introduction to areas of literature, writing, and language use through selected topics. Designed primarily for non-English majors; may be retaken with different topics to a maximum of six hours.

211 Survey of World Literature I. (3) I, II. Prerequisites: ENG 101 and 102 (or 105). Selected readings from masterpieces of world literature from ancient times through the Renaissance. Gen. Ed. 05.

212 Survey of World Literature II. (3) I, II. Prerequisites: ENG 101 and 102 (or 105). Selected readings from masterpieces of world literature from the 17th century to the present. Gen. Ed. 06.

242 Introduction to a Genre: ____. (2) A. Prerequisites: ENG 101 and 102 (or 105). Readings in either the novel, poetry, or short story; special emphasis on understanding and enjoying the literature. Designed primarily for non-English majors; may be retaken with different topics to a maximum of six hours.

244 Mystery and Detective Fiction. (2) A. Prerequisites: ENG 101 and 102 (or 105). History of mystery and detective fiction. Study of the genre's basic characteristics as well as its cultural ramifications.

245 Science Fiction. (2) A. Prerequisites: ENG 101 and 102 (or 105). A survey of science fiction from Mary Shelley to the present.

300 Technical/Professional Writing. (3) A. Prerequisites: ENG 101 and 102 (or 105). Advanced study and application of principles of effective technical writing in various forms with emphasis on reports. Special sections arranged in cooperation with professional programs.

301 Advanced Composition. (3) I, II. Prerequisites: ENG 101 and 102 (or 105). Refinement of writing skills; application of rhetoric in expository and argumentative writings; planning and writing a research paper.

302 Principles of Literary Study. (3) I, II. Prerequisites: ENG 101 and 102 (or 105). Introduction to the genres of poetry, short fiction, and drama, as well as to the traditional literary devices, the major critical approaches, and several bibliographical tools.

306 Introduction to Creative Writing. (3) A. Prerequisites: ENG 101 and 102 (or 105). Introduction to fundamentals of short story, poetry, play, or personal essay writing.

308 Autobiographical Literature. (3) A. Prerequisites: ENG 101 and 102 (or 105). Discussion of American, British, Continental, and non-Western autobiographies and modern theories of autobiographical writing.

334 Modern Poetry. (3) A. Prerequisites: ENG 101 and 102 (or 105). Survey of representative British and American poets from Hopkins and Dickinson to the present.

335 Modern Drama. (3) A. Prerequisites: ENG 101 and 102 (or 105). Study of representative Continental, British, and American plays from Ibsen to the present.

337 Biblical Narrative and Verse. (3) A. Prerequisites: ENG 101 and 102 (or 105). Study of selected narratives and verse from the Old Testament, Apocrypha, and New Testament from distinctly literary perspectives.

340 Mythology. (3) A. Prerequisites: ENG 101 and 102 (or 105). Study of selected myths through historical, psychological, and literary approaches.

345 Literature and Film. (3) A. Cross listed as COM 345. Prerequisites: ENG 101 and 102 (or 105). An examination of the relationship between film and literature through a comparative study of the stylistic and technical elements of the two media. Credit will not be awarded to students who have credit for COM 345.

347 Special Studies in English: ____. (3) A. Prerequisites: ENG 101 and 102 (or 105). Specialized study of selected topics not available in more traditional course offerings. Designed primarily for English majors/minors. May be retaken with different topics to a maximum of six hours.

349 Cooperative Study: English. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

350 American Literature I. (3) I, II. Prerequisites: ENG 101 and 102 (or 105). Survey of American literature from the beginnings to Whitman; emphasis on Cooper, Bryant, Emerson, Poe, Hawthorne, Melville, and Thoreau.

351 American Literature II. (3) I, II. Prerequisites: ENG 101 and 102 (or 105). Survey of American literature from Whitman to the present; emphasis on Whitman, Dickinson, Twain, James, Faulkner, Frost, and Eliot.

352 English Literature I. (3) I. Prerequisites: ENG 101 and 102 (or 105). English literature from Beowulf through the 18th century; special emphasis on Chaucer, Spenser, Shakespeare Donne, Milton, Dryden, Pope, Swift, and Johnson.

353 English Literature II. (3) II. Prerequisites: ENG 101 and 102 (or 105). English literature from the Romantics to the present; emphasis on Wordsworth, Keats, Tennyson, Browning, Arnold, Hardy, Yeats, and Joyce.

355 Twentieth-Century American Fiction. (3) A. Prerequisites: ENG 101 and 102 (or 105). Survey of representative American novels and short stories of the 20th century.

359 Kentucky Literature. (3) A. Prerequisites: ENG 101 and 102 (or 105). Study of Kentucky's literary tradition from its beginning to the present; emphasis on Elizabeth Madox Roberts, Allen Tate, Harriet Arnow, and Robert Penn Warren.

375 Twentieth-Century British Fiction. (3) A. Prerequisites: ENG 101 and 102 (or 105). Survey of representative British novels and short stories of the 20th century.

405 Introduction to Composition Studies. (3) A. Prerequisites: ENG 101 and 102 (or 105) and 301. An introductory course surveying theories of composition and applying these theories to the instruction of composition.

410 Grammar, Traditional and Modern. (3) A. Prerequisites: ENG 101 and 102 (or 105) and 301. Grammatical structure of American English and present-day terminology used to describe that structure; analysis of the linguistic and grammatical theories underlying contemporary grammar texts.

420 Stylistics and Editing. (3) A. Prerequisites: ENG 101 and 102 (or 105) and 301. Development of prose style through analysis, practice, and editing.

430 Dramatic Literature. (3) A. Cross listed as THE 430. Survey of the major periods and genres of world dramatic literature, from the Greeks to the present; selected readings from the major playwrights, critics, and theorists. Credit will not be awarded to students who have credit for THE 430.

452 American Romanticism. (3) A. Prerequisites: ENG 101 and 102 (or 105). A study of the 19th century Romantic movement, concentrating on selected major authors through Whitman.

454 American Realism. (3) A. Prerequisites: ENG 101 and 102 (or 105). A study of the American Realistic movement from the late nineteenth century through the 20th century, concentrating upon selected major authors from Twain to the present.

470 Chaucer and His Age. (3) A. Prerequisites: ENG 101 and 102 (or 105). A study of selections from Chaucer, the Pearl poet, Langland, Malory, medieval drama, and lyrics.

472 Renaissance Literature. (3) A. Prerequisites: ENG 101 and 102 (or 105). A study of Tudor poetry and prose and Elizabethan and early Stuart drama, exclusive of Shakespeare.

474 Shakespeare. (3) A. Prerequisites: ENG 101 and 102 (or 105). Study of Elizabethan England as a background for Shakespeare's works; extensive reading of several plays; intensive reading of selected drama and poetry.

476 Milton and His Age. (3) A. Prerequisites: ENG 101 and 102 (or 105). A study of Milton's works, Cavalier and metaphysical poetry, the masque, and prose of the period.

478 Literature of the Restoration and Eighteenth Century. (3) A. Prerequisites: ENG 101 and 102 (or 105). British poetry, prose, and drama of the Restoration and 18th century with emphasis on Dryden, Swift, Pope, and Johnson.

480 Romantic Literature. (3) A. Prerequisites: ENG 101 and 102 (or 105). Survey of British poetry, essays, and fiction of the Romantic period.

482 Victorian Literature. (3) A. Prerequisites: ENG 101 and 102 (or 105). Survey of British poetry, essays, and fiction of the Victorian period.

495 Independent Study. (1-3) A. Prerequisite: departmental approval. Individual study and/or research on a problem pertaining to literature or language. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

499 Senior Seminar: ____. (3) A. Prerequisites: senior status, a minimum 3.0 GPA (cumulative and in English courses), and instructor approval. An intensive study of an author or authors; a thematic motif; a literary movement; critical, rhetorical, and language theory; or some other sharply focused study of language and/or literature.

500 Advanced Professional Writing: ____. (3) A. Prerequisites: ENG 101 and 102 (or 105) and either two additional courses in English; or instructor approval. Advanced study and practice in editing, technical writing, expository writing, or writing for the popular media. May be retaken with different topics to a maximum of six hours. If subtopic taught is "Writing for the Popular Media," credit will not be awarded to students who have credit for JOU 480.

502 Advanced Creative Writing. (3) A. Prerequisites: ENG 101 and 102 (or 105) and instructor approval. Open to students who desire to have their manuscripts criticized; fiction, drama, poetry, biography, or the informal essay accepted; guest lectures and discussion with writers in residence.

503 Creative Writing Workshop. (1-3) A. Prerequisites: ENG 101 and 102 (or 105) and instructor approval. A one-week course of 15 informal lectures and discussions by faculty and visiting lecturers. Each student registering for the writer's conference must submit a short story, a one-act play, four poems, or the equivalent.

510 Introduction to Linguistic Theory. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two additional courses in English. An introduction to current linguistic theory and practice.

515 English as a Second Language. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two additional courses in English. Study of theory related to techniques used in generating effective use of English as a second language.

520 History of the English Language. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two additional courses in English. Study of the history of the English language in terms of social, historical, and linguistic forces from which it developed into modern English.

525 History of Rhetoric. (3) A. Prerequisites: ENG 101 and 102 (or 105) and 301. Study of classical and modern rhetoric as it applies to written discourse. Emphasis placed upon methods of invention, arrangement, and style to demonstrate their continuing utility.

530 Studies in a Genre: ____. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two additional courses in literature. Study of a designated literary genre, such as Renaissance drama, the rise of the novel, or narrative poetry. May be retaken with different topics to a maximum of six hours.

531 Genre in Translation: ____. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two courses in literature. Study of a designated literary genre primarily in translation, such as the epic, classical drama, or Continental fiction. May be retaken with different topics to a maximum of six hours.

535 Women Writers. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two courses in literature. Study of literature by women writers.

540 Study of Popular Writings. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two courses in literature. Exploration of the humanistic and cultural values expressed in popular formats through a survey of best sellers, the new journalism, detective fiction, science fiction, newspapers, and TV scripts.

545 Topics in Literary Relationships: ____. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two courses in literature. An intensive study of literature as it relates to other disciplines. May be retaken with different topics to a maximum of six hours.

550 Topics in American Literature: ____. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two courses in literature. An intensive study of a particular literary movement, a theme common to American literature, or contemporary directions/experiments in American literature. May be retaken with different topics to a maximum of six hours.

570 Topics in British Literature: ____. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two courses in literature. An intensive study of a particular literary movement, a theme common to British literature, or contemporary directions/experiments in British literature. May be retaken with different topics to a maximum of six hours.

GRADUATE COURSES

700 Advanced Professional Writing: ____. (3) A.
702 Advanced Creative Writing. (3) A.
703 Creative Writing Workshop. (1-3) A.
710 Introduction to Linguistic Theory. (3) A.
715 English as a Second Language. (3) A.
720 History of the English Language. (3) A.
725 History of Rhetoric. (3) A.
730 Studies in a Genre: ____. (3) A.
731 Genre in Translation: ____. (3) A.
735 Women Writers. (3) A.
740 Study of Popular Writings. (3) A.
745 Topics in Literary Relationships: ____. (3) A.
750 Topics in American Literature: ____. (3) A.
770 Topics in British Literature: ____. (3) A.
800 Seminar on Composition. (3) I.
804 Seminar in Creative Writing: ____. (3) A.
805 Writing Project. (3-6) A.
806 Topics in Rhetoric and Composition:____. (3) A.
807 Advanced Study of Language: Theory and Application. (3) A.
808 Modern Theories of Composition. (3) A.
809 Seminar in Scholarship and Writing. (3) A.
810 Seminar in Linguistics. (3) A.
825 Old English. (3) A.
833 Literary Criticism. (3) A.
839 Cooperative Study in English. (1-6) A.
850 Seminar in Early American Literature. (3) A.
853 Seminar in Nineteenth-Century American Literature. (3) A.
854 Seminar in Twentieth-Century American Literature. (3) A.
870 Seminar in Medieval Literature. (3) A.
873 Seminar in Renaissance Literature. (3) A.
874 Seminar in Shakespeare. (3) A.
876 Seminar in Restoration and Eighteenth-Century Literature. (3) A.
878 Seminar in Nineteenth-Century British Literature. (3) A.
880 Seminar in Twentieth-Century British Literature. (3) A.
890 Special Studies. (1-3) A.
898 Thesis I. (3) A.
899 Thesis II. (3) A.

GSL—Learning Skills

090 Developmental Reading I. (3) I, II. Designed to develop reading skills through classroom instruction, discussion, and learning activities. Taken by referral or placement. Institutional credit when exit level attained and cannot be used for graduation.

095 Developmental Reading II. (3) I, II. Designed to meet the instructional needs of students who have basic command of reading sub-skills but who lack the higher-level reading skills. Taken by referral or placement. Institutional credit when exit level attained and cannot be used for graduation.

112 College Reading/Study Skills. (3) I, II. Prerequisite: GSL 095; passing the reading screening examination or ACT composite of 18+. Emphasizes development of higher-level reading skills and study strategies. Instruction and practice in textbook reading, summary writing, listening, notetaking, vocabulary, test-taking, and learning techniques. Cannot receive credit if taken after GSL 115. Gen. Ed. 03.

115 Learning Dynamics. (1) I, II. Five-week course concentrates on learning techniques for efficient and effective study of college reading materials. Emphasis on learning, storing, and retrieving information. Credit not available for students with credit for GSL 112. Gen. Ed. 03.

116 Efficient Reading. (1) I, II. Five-week course concentrates on increasing reading efficiency by improving rate and comprehension. Emphasis on acquisition of skills and application of techniques. Gen. Ed. 03.

201 Vocabulary Development. (2) I, II. Mastery of wide range college-level vocabulary for reading, writing, speaking, and listening. Instructions in using context and Greek and Latin elements to unlock meaning. Includes practice in solving verbal analogies. Gen. Ed. 03.

205 Topics in Reading:____. (1-3) A. Instruction focused on specific areas of reading and studying through selected topics. Gen. Ed. 03.

DEPARTMENT OF FOREIGN LANGUAGES

R. Clewett, Acting Chair; Bettler, Boyd, Carter, S. Davis, K. Hill, R. King, Langenbruch, MacKinnon, J. Spurlock, Wowk.

The Department of Foreign Languages offers courses in French, German, Greek, Italian, Japanese, Latin, Portuguese, Russian, and Spanish. A student may take a teaching major in French, German, or Spanish, or a teaching minor in French, German, or Spanish. Students may also take non-teaching majors or minors in French, German or Spanish.

The Department of Foreign Languages offers a wide range of courses in the languages and cultures of other nations. Not only can the logical thinking skills involved in learning a foreign language be applied to students' other courses, but knowledge of a second language also enriches students' command of English. Furthermore, through the study of foreign languages and cultures, students

develop a broader perspective on the world and are able to compete more successfully in the increasingly multinational job market.

Students who enter Eastern with some knowledge of a foreign language, and who want to continue studying that language, will be helped to find the course type or particular course best suited for them through a placement examination. For more information, please consult with the department office.

Many courses may be inappropriate for students with native or near-native fluency in that particular language; therefore, **departmental approval must be obtained by such students wishing to enroll for credit in these courses.**

All French, German, and Spanish majors, both teaching and non-teaching, are required to pass a departmental proficiency exam in the spoken and written language, culture, and literature. **Students will ordinarily take this exam no later than in the first semester of their senior year.**

Students entering FRE 102/GER 102/SPA 102 by referral or placement are eligible to receive three hours credit by examination for FRE 101/GER 101/SPA 101 if they make an "A" in 102.

French

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 30 hours
A student may major in French by completing a minimum of 30 semester hours in French courses numbered 200 and above. The following courses are required: FRE 340, 360; six hours from FRE 303, 313, 314, 315, 316, or 400; and nine hours of upper division electives. A grade ot "C" or higher is required in each course for credit toward the major. The major is strongly advised to take six hours in a second foreign language. In addition, the student is strongly advised to take three hours each in upper division English courses in grammar and literature.

General Education Requirements ..... 46 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
AHO 100 and eight hours of restricted electives.

Free Electives ..... 43 hours

Total Curriculum Requirements ..... 128 hours

French (Teaching)

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 30 hours
A student may major in French by completing a minimum of 30 semester hours in French courses numbered 200 and above. The following courses are required: FRE 340, 360; six hours selected from FRE 303, 313, 314, 315, 316, or 400; and nine hours of upper division electives. A grade of "C" or higher is required in each course for credit toward the major. The major is strongly advised to take six hours in a second foreign language. In addition, the student is strongly advised to take three hours each in upper division English courses in grammar and literature.

Teacher Education Requirements ..... 28 hours
EDF 102, 202, 317, EPY 318, ESE 443, 498, and 499.

General Education Requirements ..... 46 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
AHO 100 and eight hours of restricted electives.

Free Electives ..... 15 hours

Total Curriculum Requirements ..... 128 hours

MINOR IN FRENCH

A student may minor in French by completing a minimum of 21 hours in French, 12 hours of which must be in courses numbered 300 and above. The following courses are required: FRE 303 or another literature course, 340, and 360. A grade of "C" or higher is required in each course for credit toward the minor.

MINOR IN FRENCH (TEACHING)

A student may minor in French by completing a minimum of 21 semester hours in French, 12 of which must be in courses numbered 300 and above. The following courses are required: FRE 303 or another literature course, 340, and 360. Supporting course requirement: FCC 220. A grade of "C" or higher is required in each course for credit toward the minor.

German

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 30 hours
A student may major in German by completing a minimum of 30 semester hours in German courses numbered 200 and above. The following courses are required: six hours from GER 240, 340, or 440; 301 or 302; 360, 405, and FCC 222. A grade of "C" or higher is required in each course for credit toward the major. The major is strongly advised to take six hours in a second foreign language. In addition, the student is strongly advised to take three hours each in upper division English courses in grammar and literature.

General Education Requirements ..... 46 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
AHO 100 and eight hours of restricted electives.

Free Electives ..... 43 hours

Total Curriculum Requirements ..... 128 hours

German (Teaching)

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 30 hours
A student may major in German by completing 30 hours of German, at least 27 hours of which must be in courses numbered 200 and above. The following courses are required: six hours from GER 240, 340, or 440; 301 or 302; 360, 405, and FCC 222. State certification requirement of 30 hours may include GER 101 and 102. A grade of "C" or higher is required in each course for credit toward the major. The major is strongly advised to take six hours in a second foreign language. In addition, the student is strongly advised to take three hours each in upper division English courses in grammar and literature.

Minor Requirements ..... 21 hours
A 21-hour teaching minor is required. To be chosen from the following areas: art, English, French, school health, history, math, or Spanish.

Teacher Education Requirements ..... 28 hours
EDF 102, 202, 317, EPY 318, ESE 443, 498, and 499.

General Education Requirements ..... 46 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
AHO 100 and eight hours of restricted electives.

Total Curriculum Requirements ..... 134 hours

MINOR IN GERMAN

A student may minor in German by completing a minimum of 18 semester hours in German courses numbered 200 and above. The following are required: three hours from GER 240, 340, or 440; 301 or 302; 360 or 405; and FCC 222. A grade of "C" or higher is required in each course for credit toward the minor.

MINOR IN GERMAN (TEACHING)

A student may minor in German by completing a minimum of 21 hours in German, 18 of which must be in courses numbered 200 and above. The following are required: three hours from GER 240, 340, or 440; 301 or 302; 360 or 405; and FCC 222. State certification requirements of 21 hours may include GER 101 and 102. A grade of "C" or higher is required in each course for credit toward the minor.

Spanish

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 30 hours
A student who majors in Spanish will take a minimum of 30 semester hours in courses numbered 200 and above. A grade of "C" or higher is required in each course for credit toward the major. The major is strongly advised to take six hours in a second foreign language.

General Education Requirements ..... 46 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
AHO 100 and eight hours of restricted electives.

Free Electives ..... 43 hours

Total Curriculum Requirements ..... 128 hours

Spanish (Teaching)

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 30 hours
A student may major in Spanish by completing a minimum of 30 hours with at least 27 semester hours in courses numbered 200 and above. The following courses are required: SPA 206 or 340 (waived in case of demonstrable oral proficiency); six hours from 301, 305, 306, or 307; 360 or 505. A grade of "C" or higher is required in each course for credit toward the major. The major is strongly advised to take six hours in a second foreign language.

Teacher Education Requirements ..... 28 hours
EDF 102, 202, 317, EPY 318, ESE 443, 498, and 499.

General Education Requirements ..... 46 hours
Standard General Education Program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
AHO 100 and eight hours of restricted electives.

Free Electives ..... 15 hours

Total Curriculum Requirements ..... 128 hours

MINOR IN SPANISH

A student may minor in Spanish by completing a minimum of 18 semester hours in courses numbered 200 and above. A grade of "C" or higher is required in each course for credit toward the minor.

MINOR IN SPANISH (TEACHING)

A student may minor in Spanish by completing a minimum of 21 hours in Spanish, 18 of which must be in courses numbered 200 and above. The following courses are required: SPA 206 or 340 (waived in case of demonstrable oral proficiency); six hours from 301, 305, 306, or 307; 360 or 505. State certification requirements of 21 hours may include SPA 101 and 102. A grade of "C" or higher is required in each course for credit toward the minor.

Course Descriptions

FCC—Foreign Culture and Civilization

220 French Culture and Civilization. (3) A. Introduction to the unique values and traditions of the French nation and of French-speaking peoples as reflected in their aesthetic, intellectual and other cultural achievements. Taught in English. Gen. Ed. 07.

222 German Culture and Civilization. (3) A. Introduction to the unique values and traditions of the German peoples as reflected in their aesthetic, intellectual, and other cultural achievements. Taught in English. Gen. Ed. 07.

224 Russian Culture and Civilization. (3) A. Introduction to the unique values and traditions of the Russian peoples as reflected in their aesthetic, intellectual, and other cultural achievements. Taught in English. Gen. Ed. 07.

227 Japanese Culture and Civilization. (3) A. Introduction to the unique values and traditions of the Japanese as reflected in their aesthetic, intellectual, and other cultural achievements. Taught in English. Gen. Ed. 07.

FLS—Foreign Language Studies

300 Elements of Foreign Language: ____. (3) A. Prerequisites: departmental approval and the student's major departmental approval. Introduces basic linguistic structures of major European languages, including pronunciation and intonation patterns; sharpens awareness of linguistic differences. Gen. Ed. 03 or 04.

FRE—French

101 Elementary French I. (3) I, II. Basic French conversation and grammar. Practice in speaking, comprehension, reading, and writing. Laboratory work required. Gen. Ed. 03 or 04.

102 Elementary French II. (3) I, II. Prerequisite: FRE 101 or equivalent proficiency. Continuation of FRE 101. Laboratory work required. Students entering FRE 102 by referral or placement are eligible to receive three hours credit by examination for FRE 101 if they make an "A" in 102. Gen. Ed. 03 or 04.

201 Elementary French III. (3) I, II. Prerequisite: FRE 102 or equivalent proficiency. Continuation of FRE 102. Laboratory work required. Gen. Ed. 03 or 04.

204 Review of French Grammar. (3) I, II. Review of basic French grammar for students with two or more years of high school French or FRE 101, 102, and 201, or the equivalent. Gen. Ed. 03 or 04.

211 French Reading I. (3) A. Prerequisite: FRE 204 or equivalent proficiency. Emphasis on reading for comprehension and building vocabulary. Practice in oral discussions, grammar, and writing. Gen. Ed. 03 or 04.

212 French Reading II. (3) A. Prerequisite: FRE 211 or equivalent proficiency. Reading and comprehension of literary texts. Emphasis on building skills necessary for literature courses. Oral and written discussion of literary topics.

280 Independent Laboratory Study. (1-3) A. Prerequisite: FRE 204 or equivalent proficiency. Student will work with designated materials in the language laboratory to improve comprehension of the spoken language. Student must have the independent laboratory study proposal form approved by faculty supervisor and department chair prior to enrollment.

300 French for Reading Knowledge. (3) A. Accelerated study of reading skills for those students needing a reading knowledge of French. Cannot be used for major, minor, or general education credit.

303 Introduction to French Literature. (3) A. Prerequisite: FRE 212 or equivalent proficiency. Selected readings from masterpieces of French literature with an introduction to the techniques of French literary analysis.

313 Masterpieces of the French Novel. (3) A. Prerequisite: FRE 212 or equivalent proficiency. A selection of the best French novels from all periods of French literary history, read in their entirety.

314 Masterpieces of French Theater. (3) A. Prerequisite: FRE 212 or equivalent proficiency. Selected works from the masterpieces of French theater.

315 French Lyric Poetry. (3) A. Prerequisite: FRE 212 or equivalent proficiency. Survey of French lyric poetry, with emphasis on the 16th and 19th centuries.

316 Contemporary French Literature. (3) A. Prerequisite: FRE 212 or equivalent proficiency. Representative works of the major French writers of the 20th century.

340 Intermediate French Phonetics. (3) A. Prerequisite: FRE 212 or equivalent proficiency. Intensive practice in the spoken language with emphasis on improving pronunciation and aural comprehension. The sound system of French is taught through phonetic exercises. Gen. Ed. 03 or 04.

349 Cooperative Study. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: 16. A minimum of 80 hours employment required for each semester hour credit.

350 Intermediate French Conversation. (3) A. Prerequisite: FRE 212 or equivalent proficiency. Intensive practice in conversation with emphasis on vocabulary building and improving fluency in the language.

360 Intermediate Grammar and Composition. (3) A. Prerequisite: FRE 204 or equivalent proficiency. Intensive grammar study and introduction to composition. Gen. Ed. 03 or 04.

400 French Literary Studies: ____. (3) A. Prerequisite: FRE 303, 313, 314, 315, or 316. A selected topic from the major French authors and literary movements. May be retaken to a maximum of six hours, if content is different.

401 French Language Studies: ____. (3) A. Prerequisite: FRE 360 or equivalent proficiency. A selected topic such as stylistics, linguistics, history of the language, advanced grammar, or composition. May be retaken to a maximum of nine hours if content is different.

440 Introduction to Business French. (3) A. Prerequisite: FRE 340 or 360; or equivalent proficiency. Develops oral and written skills with emphasis on language of business, industry, and the professions.

495 Independent Work in French. (1-3) A. Prerequisite: departmental approval. May be counted toward major or minor only with permission of department chair. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GER—German

101 Elementary German I. (3) I, II. Introduction to the grammar and structure of German. Practice in pronunciation, reading, writing, and conversation. Laboratory work required. Gen. Ed. 03 or 04.

102 Elementary German II. (3) I, II. Prerequisite: GER 101 or equivalent proficiency. Continuation of GER 101 using more advanced materials. Students entering GER 102 by referral or placement are eligible to receive three hours credit by examination for GER 101 if they make an "A" in 102. Gen. Ed. 03 or 04.

201 Intermediate German I. (3) I, II. Prerequisite: GER 102 or equivalent proficiency. Practice in grammar, reading, and writing at the intermediate level. Laboratory work required. Gen. Ed. 03 or 04.

202 Intermediate German II. (3) I, II. Prerequisite: GER 201 or equivalent proficiency. Continuation of GER 201. Gen. Ed. 03 or 04.

203 Scientific German. (3) A. Prerequisite: GER 201 or equivalent proficiency. May be used as an alternate course for GER 202. Certain selected scientific texts are read with emphasis on translation and grammar. Recommended for science majors.

240 Beginning Conversation. (3) A. Prerequisite: GER 201 or equivalent proficiency. Topics for conversation drawn from everyday situations. (Waived in case of demonstrable oral proficiency, but not open to native speakers.) Gen. Ed. 03 or 04.

280 Independent Laboratory Study. (1-3) A. Prerequisite: GER 202 or equivalent proficiency. Student will work with designated materials in the language laboratory to improve comprehension of the spoken language. Student must have the independent laboratory study proposal form approved by faculty supervisor and department chair prior to enrollment.

300 German for Reading Knowledge. (3) A. Formerly GER 100. Accelerated study of reading skills for those students wanting a reading knowledge of German. Cannot be used for major, minor, or general education credit.

301 Masterpieces of German Literature in Translation I (to 1850). (3) A. Poetry, prose, and drama selections designed to introduce the student to major literary figures. Among authors included are Martin Luther, Lessing, Goethe, Schiller, and Heine. Special conditions for German language majors and minors.

302 Masterpieces of German Literature in Translation II (1850 to the present). (3) A. Continuation of GER 301. Among authors included are Hauptmann, Hofmannsthal, Thomas Mann, Brecht, and Hesse. Special conditions for German language majors and minors.

340 Intermediate Conversation. (3) A. Prerequisite: GER 240 or equivalent proficiency. Topics for conversation drawn from contemporary German life. Gen. Ed. 03 or 04.

349 Cooperative Study. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: 16. A minimum of 80 hours employment required for each semester hour credit.

360 Intermediate Grammar and Composition. (3) A. Prerequisite: GER 202 or equivalent proficiency. Detailed grammar review and introduction to composition. Gen. Ed. 03 or 04.

405 Advanced Grammar and Composition. (3) A. Formerly GER 505. Prerequisite: GER 360 or equivalent proficiency. Topics for composition drawn from literary materials.

440 Advanced Conversation. (3) A. Formerly GER 540. Prerequisite: GER 340 or equivalent proficiency. Topics for conversation drawn from literary sources.

495 Independent Work in German. (1-3) A. Prerequisite: departmental approval. May be counted toward major or minor only with permission of department chair. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRE—Greek

101 Elementary Greek I. (3) A. Introduction to the grammar of classical Greek and the Koine Greek of the New Testament and to the reading of elementary texts. Recommended for students majoring in languages, ancient history, and religion. Gen. Ed. 03 or 04.

102 Elementary Greek II. (3) A. Continuation of GRE 101 with more advanced work in grammar and syntax and the reading of Xenophon's Anabasis. Gen. Ed. 03 or 04.

ITA—Italian

101 Elementary Italian I. (3) A. Basic Italian pronunciation, conversation, and grammar. Materials used in speaking, reading, and writing reflect historical relevance and contemporary experience. Laboratory work required. Gen. Ed. 03 or 04.

102 Elementary Italian II. (3) A. Prerequisite: ITA 101 or equivalent. Laboratory work required. Continuation of ITA 101. Gen. Ed. 03 or 04.

495 Independent Work in Italian. (1-3) A. Prerequisite: departmental approval. May be retaken to a maximum of six hours provided the subject matter is different Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

JPN—Japanese

101 Elementary Japanese I. (3) I, II. An introduction to the grammar and structure of Japanese. Practice in pronunciation, reading, and writing systems. Special emphasis on conversation. Laboratory work required. Gen. Ed. 03 or 04.

102 Elementary Japanese II. (3) I, II. Prerequisite: JPN 101 or equivalent proficiency. Continuation of JPN 101. Emphasis on conversation. Laboratory work required. Gen. Ed. 03 or 04.

LAT—Latin

101 Elementary Latin I. (3) A. Study of basic inflexions, syntax, pronunciation, and vocabulary necessary for the reading and progressive understanding of the Latin language. Particular attention is given to the relationship of Latin to English and other languages. Gen. Ed. 03 or 04.

102 Elementary Latin II. (3) A. Prerequisite: one unit of high school Latin or LAT 101. A continuation of the study of the elements of Latin grammar with additional work in translation of selections from Latin writers of appropriate complexity. Some composition included. Gen. Ed. 03 or 04.

POR—Portuguese

349 Cooperative Study. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: 16. A minimum of 80 hours employment required for each semester hour credit.

501 Accelerated Elementary Portuguese I. (3) A. Prerequisites: upper division standing and 202 level or equivalent of another foreign language. Fundamentals of the Portuguese language. Gen. Ed. 03 or 04.

502 Accelerated Elementary Portuguese II. (3) A. Prerequisite: POR 501 or equivalent proficiency in Portuguese. Composition, conversation, and reading in Luso-Brazilian studies. Gen. Ed. 03 or 04.

595 Independent Work in Portuguese. (1-3) A. Prerequisites: POR 501 or equivalent and departmental approval. Independent study in either language or literature on a subject of special need or interest to the advanced student. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSES

701 Accelerated Elementary Portuguese I. (3) A.
702 Accelerated Elementary Portuguese II. (3) A.
795 Independent Work in Portuguese. (1-3) A.

RUS—Russian

101 Elementary Russian I. (3) I, II. An introduction to the structure and grammar of Russian with an emphasis on pronunciation and conversation. Gen. Ed. 03 or 04.

102 Elementary Russian II. (3) A. Prerequisite: RUS 101 or equivalent proficiency. Continuation of RUS 101. Gen. Ed. 03 or 04.

201 Intermediate Russian I. (3) A. Prerequisite: RUS 102 or equivalent proficiency. Continuation of RUS 102. Gen. Ed. 03 or 04.

202 Intermediate Russian II. (3) A. Prerequisite: RUS 201 or equivalent proficiency. Grammar and structure review through a balanced use of the four basic skills: reading, speaking, writing, and aural comprehension. Gen. Ed. 03 or 04.

349 Cooperative Study. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: 16. A minimum of 80 hours employment required for each semester hour credit.

400 Russian Literature in Translation. (3) A. Selected readings from the works of Russian literary giants, such as Gogol, Turgenev, Dostoevsky, Tolstoy, Chekhov.

495 Independent Work in Russian. (1-3) A. Prerequisite: departmental approval. May be counted toward major or minor only with permission of department chair. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by the faculty supervisor and department chair prior to enrollment.

SPA—Spanish

101 Elementary Spanish I. (3) I, II. Introduction to the grammar and structure of Spanish. Practice in pronunciation, reading, writing, and conversation using materials relevant to contemporary experiences. Laboratory work required. Gen. Ed. 03 or 04.

102 Elementary Spanish II. (3) I, II. Prerequisite: SPA 101 or equivalent proficiency. Continuation of SPA 101 using more advanced materials. Students entering SPA 102 by referral or placement are eligible to receive three hours credit by examination for SPA 101 if they make an "A" in 102. Gen. Ed. 03 or 04.

201 Intermediate Spanish I. (3) I, II. Prerequisite: SPA 102 or equivalent proficiency. Grammar review and continuation; readings, compositions, and discussions in Spanish on cultural topics. Gen. Ed. 03 or 04.

202 Intermediate Spanish II. (3) I, II. Prerequisite: SPA 201 or equivalent proficiency. Continuation of SPA 201. Gen. Ed. 03 or 04.

206 Beginning Conversation. (3) I, II. Prerequisite: SPA 202 or equivalent proficiency (not open to native speakers). Gen. Ed. 03 or 04.

301 Introduction to Reading Literature in Spanish. (3) A. Prerequisite: SPA 202 or equivalent proficiency. Study of literary concepts, terms, style, and techniques of analysis based on readings of literary selections from a variety of genres and periods.

305 Survey of Hispanic Literature I. (3) A. Prerequisite: SPA 202 or equivalent proficiency. Readings and analyses of representative authors, works and movements from both Spain and Spanish-America from the Middle Ages to 1700.

306 Survey of Hispanic Literature II. (3) A. Prerequisite: SPA 202 or equivalent proficiency. Readings and analyses of representative authors, works and movements from both Spain and Spanish-America in the 18th and 19th centuries.

307 Survey of Hispanic Literature III. (3) A. Prerequisite: SPA 202 or equivalent proficiency. Readings and analyses of representative authors, works and movements from both Spain and Spanish-America including the Generation of 1898, Modernism, and the 20th century.

340 Intermediate Spanish Conversation. (3) A. Prerequisite: SPA 206 or equivalent proficiency (not open to native speakers). Gen. Ed. 03 or 04.

349 Cooperative Study. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: 16. A minimum of 80 hours employment required for each semester hour credit.

360 Intermediate Grammar and Composition. (3) A. Prerequisite: SPA 202 or equivalent proficiency. Gen. Ed. 03 or 04.

495 Independent Work in Spanish. (1-3) A. Prerequisite: departmental approval. May be counted toward major or minor only with permission of department chair. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

505 Advanced Grammar and Composition. (3) A. Prerequisite: upper division standing in SPA or equivalent. Correct usage of Spanish through intensive grammar analysis and its application in original compositions.

572 Hispanic Literature: ____. (3) A. Prerequisites: SPA 301 and three hours from SPA 305, 306, or 307. Study of a selected literary topic. May be retaken to a maximum of nine hours if content is different.

GRADUATE COURSES

705 Advanced Grammar and Composition. (3) A.

772 Hispanic Literature: ____. (3) A.

880 Special Studies. (1-3) A.

DEPARTMENT OF HUMANITIES

A. Brooks, Chair; Holland, Shearon, Shin, Wright.

The Department of Humanities offers interdisciplinary courses designed to meet University general education requirements for graduation. These courses assist students in a search for meaning through study of selected examples of literature, visual art, and music. Students learn a process of integrative thinking which includes the examination of their present world views, the discovery of new possibilities for life, and the development of world views appropriate for living meaningfully, responsibly, and productively in today's world. Student also develop an inquisitiveness about meaning, an appreciation for human values, an awareness of selected cultural traditions from around the world, critical perspectives on those traditions, and a sensitivity to language and the arts. All department courses provide opportunities for written and oral communication of thought.

The Department of Humanities also offers a humanities minor which is designed to explore the search for meaning in greater depth through the study of significant works of literature, visual art, music, religion, and philosophy. The humanities minor is a meaningful complementary curriculum for any specialized major field of study. In providing a broad knowledge base for an understanding of human experience, it gives students an opportunity to clarify attitudes and qualities of mind that enhance their capacity for experiencing meaning in all aspects of their lives.

MINOR IN HUMANITIES

A student may minor in humanities by completing 18 to 24 hours as follows: HUM 124; 226 or 228; PHI 100; MUS 272; ART 390 or 391; six hours from the following: ENG 350, 351, 352, 353, 474, SPE 340, or any of the upper-division foreign language literature courses; and HUM 410. Students who elect PHI 100 to meet Symbolics of Information requirements must take PHI 320. When the major and the minor require the same courses, a maximum of six hours may be waived from the minor upon the recommendation of the Chair of the Department of Humanities.

Course Descriptions

HUM—Humanities

124 Humanities and the Search for Meaning. (3) I, II. Seniors must have approval of the department chair. No credit after earning nine or more hours of general education humanities. Through study of works of literature, visual art, and music, this course introduces students to integrative thinking as a means toward affirming values for living meaningfully in today's world. Gen. Ed. 07.

226 The Search for Meaning: The Ancient World. (3) I, II. Prerequisite: HUM 124. Through study of works of literature, visual art, and music, this course focuses on the ideals of ancient and medieval cultures and on integrative processes that gave rise to them with emphasis on the development of world views. Gen. Ed. 05.

228 The Search for Meaning: The Modern World. (3) I, II. Prerequisites: HUM 124 and 226 or HUM 124 and ENG 211. Through study of works of literature, visual art, and music of Europe since 1450 and of one other modern tradition, this course focuses on modern values with emphasis on the creativity and responsibility of the individual. Gen. Ed. 06.

300 The Individual in Contemporary Society. (3) A. Prerequisites: HUM 226 or ENG 211 and HUM 228 or ENG 212. The major concern of this course is the problem of establishing and maintaining human dignity and personal worth in rapidly changing contemporary society. This problem is explored in selected examples of contemporary literature, visual art, and music. Gen. Ed. 08.

310 The Creative Imagination in Humanities and Science. (3) A. Prerequisites: HUM 226 or ENG 211 and HUM 228 or ENG 212. The purpose of this course is to examine the role of the creative imagination in humanities and modern science. Students will study and examine selected works in the areas of science and humanities for the purpose of discovering the role of the imagination in solving human problems in the contemporary world. Gen. Ed. 08.

400 Topics in Humanities. (3) A. An examination of a selected topic for the purpose of increasing one's understanding of the human experience. Study of the topic will involve an interdisciplinary approach and a global perspective. May be retaken to a maximum of six hours if the topic is different each time.

410 Humanities Seminar. (3) A. Prerequisite: departmental approval. Provides students with an opportunity to integrate insights into human experience derived from a study of various creative, religious, and philosophical expressions of humankind. Introduces students to bibliographic tools and research methods appropriate to the study of humanities.

DEPARTMENT OF
MUSIC

J. Roberts, Chair; Beeler, Boewe, Bromley, Crosby, Duncan, Eisensmith, Greenlee, Hartwell, Henrickson, Hoagland, James, Lawrence, Rhoades, Sehmann, Smith, Staples, R. Surplus, Whitlock, Willett.

The functions of the Department of Music are to:

1) Prepare music specialists for the public school;

2) Prepare students for careers in teaching in private studios or colleges and universities;

3) Prepare students for professional solo and/or ensemble performances;

4) Prepare students for careers in the music industry;

5) Provide specialized instruction for the elementary classroom teacher; and

6) Provide courses which contribute to the general education and cultural development of all students.

DEGREES AND OPTIONS

The Department of Music offers a variety of undergraduate degrees and options:

Bachelor of Music in Performance
Bachelor of Arts, Major in Music
with options in:
- General Music
- Music Merchandising
- Theory/Composition

Bachelor of Music Education
Bachelor of Fine Arts in the Performing Arts (Musical Theatre)

During the fourth semester of applied study, music majors must satisfactorily complete an examination in applied music performance before the department faculty. Transfer students who complete their fourth semester of applied study before transferring to Eastern must complete this examination early in their first semester at Eastern.

This examination should be completed before enrolling in MUS 371, 372, 390, or 391. See your applied music instructor for examination materials.

PIANO CERTIFICATION REQUIREMENTS

All music majors and minors, and performing arts majors, must meet piano proficiency requirements of the Department of Music. At the time of entrance, piano proficiency levels of all students must be ascertained. Instruction is provided for those who do not meet the described standards.

For a detailed description of the examination requirements, and representative examples of each item, please consult the current Piano Proficiency Guidelines available from the keyboard coordinator.

At any time during the year a student may petition to take the Piano Proficiency Examination. Successful completion of the examination exempts the students from further attendance in piano class.

THEORY PLACEMENT INTERVIEW

The purpose of this interview is to determine eligibility of students for college level work in class piano and theory. Instruction is provided for those who do not meet the prescribed standards (MUS 102-109). A detailed description of the theory placement test may be obtained from the theory coordinator.

APPLIED MUSIC

Applied music instruction is required throughout the four years of the prescribed curricula in the various degree programs. Instruction is given in individual lessons of one or two one-half hour periods per week. Applied students must complete a jury examination at the end of each semester.

Recital Attendance. Attendance at the weekly departmental recitals and master classes is a regularly scheduled part of applied music instruction for majors. Students should attend all approved University concerts and recitals.

BACHELOR OF MUSIC IN PERFORMANCE

All candidates for the Bachelor of Music in Performance degree will perform a qualifying audition. Candidates will be placed on probationary status from one to four semesters or accepted as full candidates for the degree. At the end of the probationary period, the student may re-audition for full candidacy. Appeal procedures are on file in the Department of Music. The Audition Committee will consist of at least three members of the faculty including the applied teacher.

Solo Recital Performance. This degree program requires two solo recitals: a half recital (MUS 399) and a whole recital (499).

Ensemble Requirements. Each student in the Bachelor of Music degree program must be enrolled in an ensemble which reflects the student's major applied area during each semester of residence with the approval of the major applied teacher and the department chair. Pianists and organists may fulfill the requirements through accompanying.

Music

MAJOR (BACHELOR OF MUSIC)

Major Requirements ..... 74 hours
MUS 181, 182, 272, 281, 282, 366; 367 or 368; 371, 372, 383, 399, 480, 481, 499 (2), 550 (1), 551 (1), and three hours from upper division courses in music history and literature. Applied majors, instrument or voice: 23 hours. Two hours credit per semester in first and second years, four hours credit fifth semester, three hours credit sixth semester, and four hours credit seventh and eighth semesters.
Music Ensemble: eight hours.

Supporting Course Requirements ..... 3 or 6 hours
Foreign language: voice majors, six hours; instrumental majors, three hours.

General Education Requirements ..... 40 hours
Standard General Education program, excluding course categories 07 and 08. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
AHO 100 and eight hours of restricted electives.

Free Electives (Instrumental Majors Only) ..... 2 hours

Total Curriculum Requirements (Instrumental Majors) ..... 128 hours

Total Curriculum Requirements (Voice Majors) ..... 129 hours

Music

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 58-73 hours

Core ..... 21 hours
MUS 181, 182, 272, 584, and eight hours of applied instrument or voice.

Options

General Music ..... 37 hours
MUS 281, 282, 371, 372, 480, 481, four additional hours of upper division applied instrument or voice, eight hours of music ensembles, and upper division music electives (five hours or four plus recital-MUS 499, one optional hour subject to the approval of the student's applied area committee).

Music Merchandising ..... 52 hours
MUS 230, 251, 273, 351, 354, 390, 391, eight hours of music ensembles, ACC 201+, ECO 230+, CIS 212+, MGT 300, MKT 300, PUB 375, LAS 210, and 12 hours of business electives to be selected from the following courses: ACC 202, ACS 201, 300, ECO 231, MKT 304, 310, 320, MGT 330, or CIS 230. (The student may add any number of hours of co-op experience (MUS 349) subject to the approval of the music merchandising committee).

Theory and Composition ..... 37 hours
MUS 281, 282, 283 (2), 371, 372, 383, 480, 481, 483 (4); two additional hours from 483 or 585, 555 or 556; and four hours of upper division music electives.

Supporting Course Requirements ..... 15 hours

General Music and Theory and Composition Options
Six hours of foreign language, and three hours lower division and six hours upper division selected from any area in Arts and Humanities, except music.

General Education Requirements ..... 46 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
AHO 100 and eight hours of restricted electives

Total Curriculum Requirements ..... 128 hours

+These three courses must be completed prior to attempting upper division courses in the College of Business.

BACHELOR OF MUSIC EDUCATION

Applied Music and Honors Recital (BME)

Students in the Bachelor of Music Education (Teaching) program will register for a minimum of seven hours of applied instruction in an instrument or voice to continue every semester of residence except the practice-teaching semester. The student may present a half honors recital (MUS 499) in place of the seventh hour of applied instruction, if recommended by the applied teacher and the Applied Music Committee. Students not presenting an Honors Recital will take an extended final Jury examination. More detailed information concerning recital requirements in the Bachelor of Music Education degree may be obtained from the Department of Music.

Ensembles (BME)

Students must be enrolled for seven semesters in ensembles which reflect the major performing specialty, as follows: 1) brass, woodwind, and percussion majors will elect Marching Band during all fall semesters in residence and Concert or Symphonic Band during spring semesters; 2) string majors must participate in Orchestra a minimum of seven semesters; 3) keyboard majors may fulfill the seven semester ensemble requirement in either a vocal or instrumental ensemble or by accompaniment duties in the junior and senior years as specified by the keyboard faculty; and 4) vocal students will elect Concert Choir or University Singers for seven semesters.

Students enrolling in more than three ensembles should receive permission for such participation from their applied teacher, ensemble director, and advisor.

Music (Teaching)

TEACHING AREA (BACHELOR OF MUSIC EDUCATION)

Major Requirements ..... 53 hours
MUS 181, 182, 230, 251, 252, 281, 282, 330, 351, 352, 354, 366, 371, 372, 480, ESE 378, and 379. (Instrumental students may be excused from taking MUS 252, 330, and 352 by proficiency examination: percussion students will omit MUS 354.) Applied major instrument: seven hours. Music Ensemble: seven hours.

Teacher Education Requirements ..... 25 hours
EDF 102, 202, 317, EPY 318, ESE 498, and 499.

General Education Requirements ..... 40 hours
Standard General Education program, excluding course categories 07 and 08. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
AHO 100 and eight hours of restricted electives.

Teacher Certification ..... 7-21 hours
In addition to the above requirements, student must elect one of the following plans for teacher certification.

Instrumental Certification ..... 9 hours
MUS 364 (1), 365 (1), 367 (1), 370 (2), 383, and ESE 457 (2).

Vocal Certification ..... 7 hours
MUS 364 (1), 365 (1), 368 (1), 382 (2), and ESE 458 (2).

Instrumental and Vocal Certification ..... 19-21 hours
Students may be certified in both areas by completing one of the certification plans above and an additional 12 hours in the other area as specified:

Vocal Certification for Instrumental Students ..... 12 hours
MUS 320 (1), 368 (1), 382 (2), and ESE 458 (2).
Applied music (keyboard: two or three hours; voice: two or three hours)
Choral ensemble (1 or 2 hours)

Instrumental Certification for Vocal Students ..... 12 hours
MUS 367 (1), 370 (2); 383, and ESE 457 (2).
Applied music (keyboard: one or two hours; instrument: one or two hours)
Instrumental ensemble (1 or 2 hours)

Total Curriculum Requirements with Instrumental Certification ..... 136 hours

Total Curriculum Requirements with Vocal Certification ..... 134 hours

Total Curriculum Requirements with Instrumental Major and Vocal Certification ..... 148 hours minimum

Total Curriculum Requirements with Vocal Major and Instrumental Certification ..... 146 hours minimum

MINOR IN MUSIC

MUS 181, 182, 371, 372, and four hours of electives in music ..... **18 hours.**

Candidates must pass the Piano Proficiency Examination or take MUS 110 and 111 which cannot be counted as a part of the minor.

GRADUATE PROGRAMS

Graduate study in music can lead to the Master of Music degree, with options in performance, theory/composition, and choral conducting. The Master of Music Education degree and Rank I Certification are offered in the College of Education with the cooperation of the Department of Music.

Qualifications for admission and procedures for entrance may be found in the Graduate *Catalog*. More detailed information may be obtained by writing the Department of Music or the Dean of the Graduate School.

Course Descriptions

APPLIED MUSIC
MUS—Music

101A,B,C Performance Class. (0) A. Required of all music majors for three semesters. Passing grade achieved when students have attended a minimum total of 16 concert events per semester.

109 Introductory Class Piano. (1) I. For students enrolled in MUS 102. Elementary keyboard techniques and reading drill. Credit does not count toward a music major or minor.

110 Beginning Class Piano I. (1) I, II. Corequisite: MUS 181. Prepares non-piano majors to meet Level I Piano Proficiency Examination requirements. Basic keyboard skills, elementary repertoire, and technique. Some music reading ability required. May be retaken to a maximum of two hours. Credit does not count toward a music major or minor.

111 Beginning Class Piano II. (1) I, II. Prerequisite: MUS 110 or instructor approval. Corequisite: MUS 182. Continuation of MUS 110. May be retaken to a maximum of two hours. Credit does not count toward a music major or minor.

112 Piano I. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

114 Keyboard Skills I. (1) I, II. Corequisite: MUS 181. Prepares piano majors and other music majors with advanced keyboard background to meet Level II Piano Proficiency Examination requirements. Emphasis is functional skills, such as reading, transposing, playing by ear, harmonizing and improvising, combined with keyboard harmony, technique and memorization skills.

115 Keyboard Skills II. (1) I, II. Prerequisite: MUS 114 or instructor approval. Corequisite: MUS 182. Continued development of skills begun in MUS 114 to prepare piano majors and other music majors with advanced keyboard background to meet Level IV Piano Proficiency Examination Requirements.

122 Voice I. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

132a Violin I. (1-2) I, II. One or two lessons per week. Instruction available in violin. May be retaken to a maximum of four hours.

132b Viola I. (1-2) I, II. One or two lessons per week. Instruction available in viola. May be retaken to a maximum of four hours.

132c Violin ≤cello I. (1-2) I, II. One or two lessons per week. Instruction available in violin cello. May be retaken to a maximum of four hours.

132d String Bass I. (1-2) I, II. One or two lessons per week. Instruction available in string bass. May be retaken to a maximum of four hours.

132e Viola da gamba I. (1-2) I, II. One or two lessons per week. Instruction available in viola da gamba. May be retaken to a maximum of four hours.

132f Guitar I. (1-2) I, II. One or two lessons per week. Instruction available in guitar. May be retaken to a maximum of four hours.

142 Organ I. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

145a Cornet and Trumpet I. (1-2) I, II. One or two lessons per week. Instruction available in cornet and trumpet. May be retaken to a maximum of four hours.

145b French Horn I. (1-2) I, II. One or two lessons per week. Instruction available in French horn. May be retaken to a maximum of four hours.

145c Baritone Horn I. (1-2) I, II. One or two lessons per week. Instruction available in baritone horn. May be retaken to a maximum of four hours.

145d Trombone I. (1-2) I, II. One or two lessons per week. Instruction available in trombone. May be retaken to a maximum of four hours.

145e Tuba I. (1-2) I, II. One or two lessons per week. Instruction available in tuba. May be retaken to a maximum of four hours.

146a Flute I. (1-2) I, II. One or two lessons per week. Instruction available in flute. May be retaken to a maximum of four hours.

146b Oboe I. (1-2) I, II. One or two lessons per week. Instruction available in oboe. May be retaken to a maximum of four hours.

146c Clarinet I. (1-2) I, II. One or two lessons per week. Instruction available in clarinet. May be retaken to a maximum of four hours.

146d Bassoon I. (1-2) I, II. One or two lessons per week. Instruction available in bassoon. May be retaken to a maximum of four hours.

146e Saxophone I. (1-2) I, II. One or two lessons per week. Instruction available in saxophone. May be retaken to a maximum of four hours.

147 Percussion I. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

210 Intermediate Class Piano I. (1) I, II. Prerequisite: MUS 111 or instructor approval. Corequisite: MUS 281. Second year course for non-piano majors to meet Level II Piano Proficiency Examination requirements. Continuation of skill development listed under MUS 110; more complex materials, intermediate repertoire, and technique. May be retaken to a maximum of two hours. Credit does not count toward a music major or minor.

211 Intermediate Class Piano II. (1) I, II. Prerequisite: MUS 210 or instructor approval. Corequisite: MUS 282. Continuation of MUS 210. May be retaken to a maximum of two hours. Credit does not count toward a music major or minor.

212 Piano II. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

222 Voice II. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

230 String Instruments I. (1) I, II. Corequisite: MUS 364 or 365 to a maximum of two hours. Fingering, care of instruments and tone production. Group instruction to prepare for teaching strings in class and for training string section of school orchestra; survey of teaching materials.

232a Violin II. (1-2) I, II. One or two lessons per week. Instruction available in violin. May be retaken to a maximum of four hours.

232b Viola II. (1-2) I, II. One or two lessons per week. Instruction available in viola. May be retaken to a maximum of four hours.

232c Violin ≤cello II. (1-2) I, II. One or two lessons per week. Instruction available in violin cello. May be retaken to a maximum of four hours.

232d String Bass II. (1-2) I, II. One or two lessons per week. Instruction available in string bass. May be retaken to a maximum of four hours.

232e Viola da gamba II. (1-2) I, II. One or two lessons per week. Instruction available in viola da gamba. May be retaken to a maximum of four hours.

232f Guitar II. (1-2) I, II. One or two lessons per week. Instruction available in guitar. May be retaken to a maximum of four hours.

242 Organ II. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

245a Cornet and Trumpet II. (1-2) I, II. One or two lessons per week. Instruction available in cornet and trumpet. May be retaken to a maximum of four hours.

245b French Horn II. (1-2) I, II. One or two lessons per week. Instruction available in French horn. May be retaken to a maximum of four hours.

245c Baritone Horn II. (1-2) I, II. One or two lessons per week. Instruction available in baritone horn. May be retaken to a maximum of four hours.

245d Trombone II. (1-2) I, II. One or two lessons per week. Instruction available in trombone. May be retaken to a maximum of four hours.

245e Tuba II. (1-2) I, II. One or two lessons per week. Instruction available in tuba. May be retaken to a maximum of four hours.

246a Flute II. (1-2) I, II. One or two lessons per week. Instruction available in flute. May be retaken to a maximum of four hours.

246b Oboe II. (1-2) I, II. One or two lessons per week. Instruction available in oboe. May be retaken to a maximum of four hours.

246c Clarinet II. (1-2) I, II. One or two lessons per week. Instruction available in clarinet. May be retaken to a maximum of four hours.

246d Bassoon II. (1-2) I, II. One or two lessons per week. Instruction available in bassoon. May be retaken to a maximum of four hours.

246e Saxophone II. (1-2) I, II. One or two lessons per week. Instruction available in saxophone. May be retaken to a maximum of four hours.

247 Percussion II. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

251 Brass Instruments Class I. (1) I, II. Corequisite: MUS 364 or 365 to a maximum of two hours. Fingering, care of instruments, tone production, and tuning. Group instruction to prepare for teaching brass instruments in band or orchestra. Examination of materials suitable for beginning instrumental programs.

252 Brass Instruments Class II. (1) I, II. Prerequisite: MUS 251. Corequisite: MUS 364 or 365 to a maximum of two hours. Continuation of MUS 251.

301A,B,C Performance Class. (0) A. Prerequisite: completion of MUS 101A,B,C. Required of all music majors for three semesters. Passing grade achieved when students have attended a minimum total of 16 concert events per semester.

312 Piano III. (1, 2, or 4) I, II. One or two lessons per week. May be retaken to a maximum of eight hours.

313 Accompanying. (1/2) I, II. Prerequisite: keyboard coordinator approval. Upper-division keyboard students may substitute MUS 313 for ensembles requirements. Additional accompanying hours assigned. May be retaken to a maximum of two hours.

320 Class Voice. (1) I, II. Basic vocal techniques with emphasis on developing the voice for solo and/or choral performance.

322 Voice III. (1, 2, or 4) I, II. One or two lessons per week. May be retaken to a maximum of eight hours.

330 String Instruments Class II. (1) I, II. Prerequisite: MUS 230. Corequisite: MUS 364 or 365 to a maximum of two hours.

332a Violin III. (1-4) I, II. One or two lessons per week. Instruction in violin. May be retaken to a maximum of eight hours.

332b Viola III. (1-4) I, II. One or two lessons per week. Instruction in viola. May be retaken to a maximum of eight hours.

332c Violin ≤cello III. (1-4) I, II. One or two lessons per week. Instruction in violin cello. May be retaken to a maximum of eight hours.

332d String Bass III. (1-4) I, II. One or two lessons per week. Instruction in string bass. May be retaken to a maximum of eight hours.

332e Viola da gamba III. (1-4) I, II. One or two lessons per week. Instruction in viola da gamba. May be retaken to a maximum of eight hours.

332f Guitar III. (1-4) I, II. One or two lessons per week. Instruction in guitar. May be retaken to a maximum of eight hours.

342 Organ III. (1, 2, or 4) I, II. One or two lessons per week. May be retaken to a maximum of eight hours.

345a Cornet and Trumpet III. (1-4) I, II. One or two lessons per week. Instruction available in cornet and trumpet. May be retaken to a maximum of eight hours.

345b French Horn III. (1-4) I, II. One or two lessons per week. Instruction available in French horn. May be retaken to a maximum of eight hours.

345c Baritone Horn III. (1-4) I, II. One or two lessons per week. Instruction available in baritone horn. May be retaken to a maximum of eight hours.

345d Trombone III. (1-4) I, II. One or two lessons per week. Instruction available in trombone. May be retaken to a maximum of eight hours.

345e Tuba III. (1-4) I, II. One or two lessons per week. Instruction available in tuba. May be retaken to a maximum of eight hours.

346a Flute III. (1-4) I, II. One or two lessons per week. Instruction available in flute. May be retaken to a maximum of eight hours.

346b Oboe III. (1-4) I, II. One or two lessons per week. Instruction available in oboe. May be retaken to a maximum of eight hours.

346c Clarinet III. (1-4) I, II. One or two lessons per week. Instruction available in clarinet. May be retaken to a maximum of eight hours.

346d Bassoon III. (1-4) I, II. One or two lessons per week. Instruction available in bassoon. May be retaken to a maximum of eight hours.

346e Saxophone III. (1-4) I, II. One or two lessons per week. Instruction available in saxophone. May be retaken to a maximum of eight hours.

347 Percussion III. (1, 2, or 4) I, II. One or two lessons per week. May be retaken to a maximum of eight hours.

351 Woodwind Instruments Class I. (1) I, II. Corequisite: MUS 364 or 365 to a maximum of two hours. Fingering, care of instruments, tone production, and tuning. Group instruction to prepare for teaching woodwind instruments in band or orchestra. Examination of materials suitable for beginning instrumental programs.

352 Woodwind Instruments Class II. (1) I, II. Prerequisite: MUS 351. Corequisite: MUS 364 or 365 to a maximum of two hours. Continuation of MUS 351.

354 Percussion Class I. (1) I, II. Corequisite: MUS 364 or 365 to a maximum of two hours. Snare drumming, rudiments, teaching techniques. Experiences on all related percussion instruments: bass drum, tympani, and others. Some experiences with mallet instruments; marimba, xylophone, bells, and others.

364 Instrumental Music Lab. (1/2) II. Practical experience in performing and conducting instrumental music literature appropriate for use in school situation. May be retaken to a maximum of one hour.

365 Choral Music Lab. (1/2) I. Practical experience in performing and conducting choral music literature appropriate for use in school situation. May be retaken to a maximum of one hour.

370 Marching Band Techniques. (2) I, II. Marching fundamentals, charting, and scoring for the contemporary marching band.

382 Choral Arranging. (2) I, II. Scoring literature of all types of choral ensembles for school use.

399 Junior Recital. (1) I, II.

412 Piano IV. (1, 2, or 4) I, II. One or two lessons per week. May be retaken.

422 Voice IV. (1, 2, or 4) I, II. One or two lessons per week. May be retaken.

432a Violin IV. (1-4) I, II. One or two lessons per week. Instruction available in violin. May be retaken to a maximum of eight hours.

432b Viola IV. (1-4) I, II. One or two lessons per week. Instruction available in viola. May be retaken to a maximum of eight hours.

432c Violin ≤cello IV. (1-4) I, II. One or two lessons per week. Instruction available in violin ≤cello. May be retaken to a maximum of eight hours.

432d String Bass IV. (1-4) I, II. One or two lessons per week. Instruction available in string bass. May be retaken to a maximum of eight hours.

432e Viola da gamba IV. (1-4) I, II. One or two lessons per week. Instruction available in viola da gamba. May be retaken to a maximum of eight hours.

432f Guitar IV. (1-4) I, II. One or two lessons per week. Instruction available in guitar. May be retaken to a maximum of eight hours.

442 Organ IV. (1, 2, or 4) I, II. One or two lessons per week. May be retaken.

445a Cornet and Trumpet IV. (1-4) I, II. One or two lessons per week. Instruction available in cornet and trumpet. May be retaken to a maximum of eight hours.

445b French Horn IV. (1-4) I, II. One or two lessons per week. Instruction available in French horn. May be retaken to a maximum of eight hours.

445c Baritone Horn IV. (1-4) I, II. One or two lessons per week. Instruction available in baritone horn. May be retaken to a maximum of eight hours.

445d Trombone IV. (1-4) I, II. One or two lessons per week. Instruction available in trombone. May be retaken to a maximum of eight hours.

445e Tuba IV. (1-4) I, II. One or two lessons per week. Instruction available in tuba. May be retaken to a maximum of eight hours.

446a Flute IV. (1-4) I, II. One or two lessons per week. Instruction available in flute. May be retaken to a maximum of eight hours.

446b Oboe IV. (1-4) I, II. One or two lessons per week. Instruction available in oboe. May be retaken to a maximum of eight hours.

446c Clarinet IV. (1-4) I, II. One or two lessons per week. Instruction available in clarinet. May be retaken to a maximum of eight hours.

446d Bassoon IV. (1-4) I, II. One or two lessons per week. Instruction available in bassoon. May be retaken to a maximum of eight hours.

446e Saxophone IV. (1-4) I, II. One or two lessons per week. Instruction available in saxophone. May be retaken to a maximum of eight hours.

447 Percussion IV. (1, 2, or 4) I, II. One or two lessons per week. May be retaken.

499 Recital. (1 or 2) I, II.

512 Piano V. (1-4) I, II. May not be taken for credit by piano majors.

513 Techniques of Accompanying. (1) I, II. Practical training in the tradition, interpretation, and execution of accompaniments. May be retaken to a maximum of two hours.

522 Voice V. (1-4) I, II. May not be taken for credit by voice majors.

542 Organ V. (1-4) I, II. May not be taken for credit by organ majors.

MUSIC ENSEMBLES

Ensembles are open to all students enrolled in the University and to qualified persons not enrolled. Interested individuals are invited to participate and should confer with the director of each ensemble to arrange for an audition.

MUS—Music

127, 327 Opera Workshop. (1/2) I, II. Prerequisite: instructor approval. Preparation and presentation of opera scenes and complete works. All phases of performance and technical procedures of staging, costumes, and management.

205 Chamber Music. (1/2) I, II. Study and performance of standard chamber music literature. Open to pianists, vocalists, string, wind, and percussion players upon recommendation of instructor. Course may be retaken.

223 Show Choir. (1) I, II. Formerly part of MUS 225/425/825. Rehearsal and performances of show choir literature. Course open by audition only. May be retaken to a maximum of four hours.

224 Madrigal Singers. (1) I, II. Formerly part of MUS 225/425/825. Rehearsal and performance of literature of the Madrigal. Course open by audition only. May be retaken to a maximum of four hours.

225 Concert Choir. (1) I, II. Rehearsal and performances of choral literature. Course may be retaken.

226 University Singers. (1) I, II. Rehearsal and performance of music for vocal ensemble. Concerts given both on- and off-campus. Three or more hours rehearsal per week. May be retaken to a maximum of four hours.

235 Orchestra. (1) I, II. Rehearsal and performance of orchestra literature from all style periods. Concerts given both on and off campus. Three or more hours rehearsal per week. May be retaken to a maximum of four hours.

250 Small Ensembles. (1/2) I, II. Rehearsal and performance for: string orchestra, brass choir, percussion ensemble, stage band, and clarinet choir. Course may be retaken.

255 Band. (1) I, II. Rehearsal and performance of standard band literature. Sections may include concert and symphonic bands and wind ensemble. May be retaken to a maximum of four hours.

256 Marching Band. (1) I. Preparation and performance of marching band shows during the football season. Three or more rehearsals per week. May be retaken to a maximum of four hours.

423 Show Choir. (1) I, II. Formerly part of MUS 225/425/825. Rehearsal and performance of show choir literature. Course open by audition only. May be retaken to a maximum of four hours.

424 Madrigal Singers. (1) I, II. Formerly part of MUS 225/425/825. Rehearsal and performance of literature of the Madrigal. Course open by audition only. May be retaken to a maximum of four hours.

425 Concert Choir. (1) I, II. Prerequisite: MUS 225. Rehearsal and performance of choral literature. Sections may include Concert Choir, Madrigal Singers, and Show Choir. Course may be retaken.

426 University Singers. (1) I, II. Prerequisite: MUS 226. Rehearsal and performance of music for vocal ensemble. Concerts given both on and off campus. Three or more hours rehearsal per week. May be retaken to a maximum of four hours.

435 Orchestra. (1) I, II. Prerequisite: MUS 235. Rehearsal and performance of orchestra literature from all style periods. Concerts given both on and off campus. Three or more hours rehearsal per week. May be retaken to a maximum of four hours.

455 Band. (1) I, II. Prerequisite: MUS 255. Rehearsal and performance of standard band literature. Sections may include concert and symphonic bands and wind ensemble. May be retaken to a maximum of four hours.

MUS—Other Music Courses

102 Introduction to the Fundamentals of Music. (3) I, II. Required by students whose musical experience and preparation, as indicated by the Theory Placement Interview, are deemed insufficient to complete MUS 181. Credit does not count toward a music major or minor.

171 Enjoyment of Music. (3) I, II. May not count toward a music major or minor. Provides the general college student with a cultural background in music. Masterpieces of music, composers, and techniques presented through listening materials and concert attendance. Gen. Ed. 07.

181 Beginning Theory I. (4) I. Corequisite: MUS 110 or equivalent. Perception and understanding of music through an integrated study of relatively simple, short structures from the last Baroque to the early Romantic periods.

182 Beginning Theory II. (4) II. Prerequisite: MUS 181. Corequisite: MUS 111 or equivalent. Continuation of MUS 181.

272 Music Literature. (3) I, II. Critical listening and scorereading of the standard repertory of music in Western Civilization from Gregorian plainchant to the Contemporary era. Gen. Ed. 07.

273 Survey of American Popular Music. (3) I, II. Survey of American popular music establishing its origins and tracing its development to the present time. Gen. Ed. 08.

281 Intermediate Theory III. (4) I. Prerequisite: MUS 182. Corequisite: MUS 210 or equivalent. Continuation of MUS 182. Integrated skills further developed through the study of more difficult, longer structures from the Baroque and Classic periods.

282 Intermediate Theory IV. (4) II. Prerequisite: MUS 281. Corequisite: MUS 211 or equivalent. Continuation of MUS 281. Integrated skills further developed through the study of more difficult structures from the Romantic and Modern periods.

283 Beginning Composition. (1) A. Prerequisite: instructor approval. Guidance in the exploration and development of compositional techniques relevant to the student's stylistic direction. Correct notation and major stylistic analysis stressed. May be retaken to a maximum of four hours provided the subject matter is different each time.

285 Jazz Improvisation. (2) A. Prerequisite: instructor approval. Open to music majors only. Skills required by instrumental performer for improvising in contemporary jazz idioms. May be retaken to a maximum of four hours.

349 Cooperative Study: Music. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

360 Music Fundamentals for the Elementary Teacher. (2) I, II. Open only to elementary education majors who have been admitted to the Teacher Education Program. Provides the grade teacher with sufficient knowledge and skills to teach music in the classroom. Notation, rhythmic participation, rhythm and melody instruments, creative activities, and listening experiences.

366 Fundamentals of Conducting. (1) I. Prerequisite: junior standing in music or instructor approval. Basic techniques of conducting.

367 Instrumental Conducting. (1) II. Prerequisite: MUS 366. Instrumental conducting techniques and their application in rehearsal and performance.

368 Choral Conducting. (1) II. Prerequisite: MUS 366. Choral conducting techniques and their application in rehearsal and performance.

371 Music History I. (3) I. Prerequisite: MUS 171 or instructor approval. Survey of music history from beginnings through the Baroque era. Gen. Ed. 07.

372 Music History II. (3) II. Prerequisite: MUS 371 or instructor approval. Survey of music history from the Classical era to the present. Gen. Ed. 07.

383 Orchestration. (2) I, II. Survey of ranges, timbres, and characteristics of orchestral instruments. Scoring for choirs and full orchestra.

390 Survey of the Music Industry I. (2) I. Examination of the music industry including marketing and promotion, advertising, record production and companies, commercial radio and records, and radio business. A project reflecting course study is required.

391 Survey of the Music Industry II. (2) II. Prerequisite: MUS 390 or instructor approval. Continuation of MUS 390. Examination of the music industry including royalties, artist management, performing rights, trade journals, and industry relations and problems. A project reflecting course study is required.

480 Form and Analysis. (3) I, II. Prerequisite: junior standing in music. In-depth study of the materials of form from the motive through large structures.

481 Counterpoint. (3) A. Prerequisite: MUS 281 or equivalent. Analysis and composition in 16th century and 18th century contrapuntal styles including parts of the mass, two and three-part inventions, and fugues.

483 Composition. (2) A. Prerequisite: MUS 282 or equivalent; or instructor approval. Individual guidance in the exploration and development of compositional techniques relevant to the student's stylistic direction. May be retaken to a maximum of eight hours, provided the subject matter is different.

520 Diction for Singers. (1) A. For voice and choral conducting students. Enunciation and projection; accurate pronunciation in English, Latin, Italian, French, and German. Phonetics and the International Phonetic Alphabet.

550 Teaching Techniques. (1-2) A. Analysis of current teaching methods and materials with the intention of developing sound teaching procedures. May include observation and performance. Topics in woodwinds, brass, percussion, strings, voice, piano, and organ. May be retaken to a maximum of two hours.

551 Performance Literature. (1-2) A. Literature for various performing media relative to performance practices and problems. Topics in woodwinds, brass, percussion, strings, voice, piano, and organ. May be retaken to a maximum of two hours.

554 Band Literature. (2) A. Designed to acquaint the student with European origins of the modern band; history of band music; and literature for the contemporary band.

555 Symphonic Music Literature. (3) II. Prerequisites: MUS 371 and 372. Evolution of the symphony from its beginning to the 20th century with emphasis on score reading and listening.

556 Choral Music Literature. (3) I. Prerequisites: MUS 371 and 372. Survey of choral music literature from the 15th century to the present.

564 Advanced Instrumental Conducting. (2) A. Prerequisite: MUS 367 or equivalent. Development of skills in score reading, preparation, interpretation, and conducting of representative orchestra or band works.

565 Advanced Choral Conducting. (2-3) A. Prerequisite: MUS 368 or equivalent. Development of skills in score reading, preparation, interpretation, and conducting of representative choral works.

570 Band Pageantry. (2) A. Prerequisite: instructor approval. Charting and scoring for the modern marching band.

584 Fundamentals of Electronic Music I. (2) A. Mechanics of the synthesizer. Emphasis on "sound possibilities" and their actual production.

585 Fundamentals of Electronic Music II. (2) A. Prerequisite: MUS 584 or instructor approval. Composition through the use of the synthesizer. May be retaken to a maximum of four hours, provided the subject matter is different each time.

586 Workshop in Instrumental Music. (1-4) A. Topics in band or orchestra procedures. May be retaken to a maximum of four hours.

588 Pedagogy of Theory. (2) A. Comparative study of theory systems with emphasis on presentation and illustrative exercises dealing with related theoretical problems.

589 Workshop in Choral Music. (1-4) A. Techniques, literature, and materials pertinent to a particular area or areas of preparation and performance of choral music. Topics to be announced. May be retaken to a maximum of four hours.

GRADUATE COURSES

712 Piano V. (1-4) I, II.
713 Techniques of Accompanying. (1) I, II.
720 Diction for Singers. (1) A.
722 Voice V. (1-4) I, II.
742 Organ V. (1-4) I, II.
750 Teaching Techniques. (1-2) A.
751 Performance Literature. (1-2) A.
754 Band Literature. (2) A.
755 Symphonic Music Literature. (3) II.
756 Choral Music Literature. (3) I.
764 Advanced Instrumental Conducting. (2) A.
765 Advanced Choral Conducting. (2-3) A.
770 Band Pageantry. (2) A.
784 Fundamentals of Electronic Music I. (2) A.
785 Fundamentals of Electronic Music II. (2) A.
786 Workshop in Instrumental Music. (1-4) A.
788 Pedagogy of Theory. (2) A.
789 Workshop in Choral Music. (1-4) A.
805 Chamber Music. (1/2) A.
812 Piano. (1-5) I, II.
822 Voice. (1-5) I, II.
823 Show Choir. (1) I, II.
824 Madrigal Singers. (1) I, II.
825 Concert Choir. (1) I, II.
826 University Singers. (1) I, II.
827 Opera Workshop. (1/2) I, II.
832 String Instruments. (1-5) I, II.
835 Orchestra. (1) I, II.
842 Organ. (1-5) I, II.
845 Brass Instruments. (1-5) I, II.
846 Woodwind Instruments. (1-5) I, II.
847 Percussion. (1-5) I, II.
850 Small Ensembles. (1/2) I, II.
851 Advanced Woodwind Techniques. (3) SUMMER ONLY.
855 Band. (1) I, II.
872 Seminar in Music History. (1-3) A.
880 Advanced Choral Interpretation. (2) A.
883 Seminar in Choral Procedures. (2) A.
884 Advanced Theory Survey. (3) A.
885 Psychology of Music. (3) A.
886 Advanced Counterpoint. (3) A.
887 Analytical Techniques I. (3) A.
888 Analytical Techniques II. (3) A.
889 Advanced Composition. (2) A.
896 Special Project in Theory/Composition and Choral Conducting. (3) A.
897 Graduate Recital. (2-3) A.
898 Research in Music and Music Education. (2) A.
899 Thesis. (3) A.

DEPARTMENT OF

PHILOSOPHY AND RELIGION

J. R. Miller, Chair; B. Gray, B. Harris, W. Jones, Messerich, Stratton, F. Williams.

The Department of Philosophy and Religion offers a comprehensive undergraduate major in philosophy for students who wish to understand the main ideological forces at work in both the East and West. The program is designed to prepare students for graduate study at other universities as well as for advanced professional training in fields where a background in philosophy is highly recommended. As part of the University's general goal to offer programs of study which prepare men and women to take their place in the continuing development of a democratic society, philosophy seeks to cultivate the art of effective and clear reasoning and offers the student a thorough grounding in philosophical ideas and concepts.

The major in religion seeks, without sectarian or denominational bias, to provide the student with a scholarly access to all the world religions—their doctrines, their historical development, and their forms of ritual and worship. On such a foundation, the student should be able to continue the study of religion at a graduate school for the purpose of obtaining an advanced teaching or research degree, or at a theological seminary for the purpose of preparing for a religious vocation. In addition, the program is designed to provide a good basic education in religion for the religious laity.

Philosophy

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 36 hours
PHI 100, 110, 130, 300, 310, 320, 330, 371, 499; plus any additional nine hours in philosophy as approved by the department chair. Six hours of religion may be counted as part of the nine hours.

General Education Requirements ..... 46 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
AHO 100 and eight hours of restricted electives.

Free Electives ..... 37 hours

Total Curriculum Requirements ..... 128 hours

MINOR IN PHILOSOPHY

A minor consists of 18 hours in philosophy, including at least three hours in PHI 100, 110, 130, 300, or 320. Three hours of religion may be counted in a minor.

Religion

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 33 hours
REL 301, 305, 306, 315, 499; at least one course from REL 340, 345, or 355; PHI 240, 300; plus any additional nine hours from the following: REL 250, 335, 340, 345, 349, 355, 370, 420, 495, PHI 310, ART 390, ENG 337, or POL 347.

General Education Requirements ..... 46 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
AHO 100 and eight hours of restricted electives.

Free Electives ..... 40 hours

Total Curriculum Requirements ..... 128 hours

MINOR IN RELIGION

A minor consists of 18 hours in religion, including at least three hours in REL 301, 305, 306, 315 or PHI 240. Three hours of philosophy may be counted in a minor, and if PHI 240 is taken, six hours of philosophy may be counted.

Course Descriptions

PHI—Philosophy

100 Practical Reasoning. (3) I, II. The development of skills essential for the analysis and evaluation of reasoning and argumentation of kinds commonly encountered in essays, textbooks, news media, discussions, lectures, and work situations. Gen. Ed. 03 or 04.

110 Beginning Philosophy. (3) I, II. Basic introductory course in philosophy. Consideration of perennial questions of the human experience, especially questions about reality, knowledge, self, values, and religious belief. Gen. Ed. 07.

130 Beginning Ethics. (3) I, II. Survey of theories concerning the nature of right and wrong, emphasizing how these theories can be applied to personal moral choices. Gen. Ed. 07.

240 Philosophy of Religion. (3) A. Study of religious experience, ideas of belief and knowledge, nature and existence of God, doctrine of persons, faith religious ethics, and religious language. Gen. Ed. 07.

280A,B,C Short Topics in Philosophy. (1 each) A. One or two or three distinct short topics offered sequentially during one semester. The student may take any or all of the topics, and the course may be retaken to a maximum of six hours if each topic is different.

300 Greek and Roman Philosophy. (3) A. Survey of philosophical thought as seen through an examination of selected issues and selected philosophers from ancient Greece through the early Roman period. Gen. Ed. 07.

310 Medieval Philosophy. (3) A. Study of Christian, Jewish, and Islamic philosophical thought in the Middle Ages and of Renaissance scholasticism. Issues in various areas of philosophical inquiry are examined through selected readings from Augustine to Suarez.

320 Modern Philosophy. (3) A. Survey of philosophical thought as seen through an examination of selected issues and selected philosophers from the Renaissance through the 19th century. Gen. Ed. 07.

330 Twentieth Century Philosophy. (3) A. A survey of the principal schools of philosophic thought of the twentieth century in Europe and America, with special attention to the important issues which emerge.

332 Existentialism. (3) A. Study of the sources of modern existentialism in the writings of Pascal, Hamann, Kierkegarrd, and Nietzsche, and an examination of such recent existentialists as Sartre, Camus, Unamuno, Jaspers, Buber, and Marcel.

340 Philosophy of Science. (3) A. How views of reality, knowledge, and values relate to science and scientists. Philosophical assumptions of science examined through historical examples of scientific investigations. The value and the values of scientific methods and scientific theories. Gen. Ed. 08.

342 American Philosophy. (3) A. A critical examination of basic beliefs held by Americans regarding themselves, their culture, and world, through the thought of modern American philosophers such as Royce, Peirce, James, Santayana, Woodbridge, Dewey, and Whitehead.

349 Cooperative Study: Philosophy. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

350 Toward a Philosophy of Human Sexuality. (3) A. A philosophical discussion of such topics as the meaning and purposes of human sexuality, premarital sex and promiscuity, sex and religious values, homosexuality, sexual rights and responsibilities, sexual ethics, sex and aging. Credit will not be awarded to students who have credit for CDF 232 or HEA 375.

360 Human Nature. (3) A. Examination of philosophic issues in the study of human nature. Of particular importance will be philosophic problems that are raised by twentieth century work in the social and behavioral sciences. Gen. Ed. 08.

362 Technology and Human Values. (3) A. Survey of contemporary theories concerning the interrelations of people, technology, and nature. Pro-technology and anti-technology positions are considered through the study of such representative theorists.

371 Symbolic Logic. (3) A. Basic introduction to modern symbolic logic: propositional logic, first order predicate logic, proofs and metaproofs, and nature and properties of formal logic systems.

380 Business Ethics. (3) A. Examination of ethical issues which arise in business organizations. Typical topics include: ethical theories, loyalties and responsibilities of superiors and subordinates, codes of conduct, personal value versus organizational objectives, whistle blowing, and case analysis procedures.

385 Environmental Ethics. (3) A. An examination of historical and contemporary views of the values and rights possessed by natural ecosystems and their components. Emphasis on conservation issues in America and the ethical views held by the general public, conservationists resource managers, and politicians. Gen. Ed. 08.

390 Special Topics in Philosophy. (3) A. Prerequisite: instructor approval. Detailed examination of a problem-area or a school of philosophy in the history of philosophy or the thought on one outstanding philosopher. May be retaken to a maximum of six hours if the topic is different.

395 Experiencing Philosophy. (1) A. Prerequisite: instructor approval. Attendance at selected lectures, performances, and cultural events with oral discussion and written evaluation of these activities from a philosophical point of view. May be retaken to a maximum of three hours.

400 Metaphysics. (3) A. An elaboration of the various approaches to metaphysics in the history of philosophy, including contemporary anti-metaphysical points of view.

432 Philosophy of Art. (3) A. Examination of the major philosophical theories of art and beauty and the place of aesthetic language in the general area of value judgments. Representative classical and contemporary figures will be considered.

490 Independent Work in Philosophy. (3) I, II. Prerequisite: instructor approval. Individual research and reading on a specified philosophical problem chosen by the student and instructor. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours if topic is different.

499 Senior Thesis. (3) A. Prerequisites: first semester senior and completion of all but 12 hours of the major; or advisor approval. Supervised, independent thesis for seniors majoring in philosophy. Students' thesis proposals must be approved by thesis supervisor and departmental committee prior to enrolling in the course.

500 Seminar in Philosophy. (3) A. Prerequisite: instructor approval. Intensive examination of a general philosophical subject such as metaphysics, epistemology or axiology. May be retaken to a maximum of six hours if the work is different.

515 Health and Biomedical Ethics. (3) A. An examination of the value-issues which surround problems that arise in health-related fields and whose resolution calls for moral judgments. Typical problems would include: euthanasia, experimentation with humans, behavior control, genetic engineering, and distribution of health care facilities.

557 Classical Political Thought. (3) A. Cross listed as POL 557. Examination of the origins of Western political thought. Intensive reading of Plato, Aristotle, and Cicero. Credit will not be awarded to students who have credit for POL 557.

558 Medieval, Renaissance, and Reformation Political Thought. (3) A. Cross listed as POL 558. Examination of the political theories of Augustine, Aquinas, Dante, Marsillio, Machiavelli, Luther, Calvin, and Bodin. Attention to the church-state controversy, the development of concepts of representation, constitutionalism, and sovereignty. Credit will not be awarded to students who have credit for POL 558.

559 Modern Political Thought. (3) A. Cross listed as POL 559. Examination of the development of political thought from Hobbes to Nietzche. Credit will not be awarded to students who have credit for POL 559.

GRADUATE COURSES

700 Seminar in Philosophy. (3) A.
715 Health and Biomedical Ethics. (3) A.
757 Classical Political Thought. (3) A.
758 Medieval, Renaissance, and Reformation Political Thought. (3) A.
759 Modern Political Thought. (3) A.

REL—Religion

250 Varieties of Religious Experience. (3) A. An examination of the patterns of religious experience as exemplified in the doctrines, practices, prayers, and rituals of various religions of the world.

282A,B,C Short Topics in Religion. (1 each) A. One or two or three distinct short topics offered sequentially during one semester. The student may take any or all of the topics, and the course may be retaken to a maximum of six hours if each topic is different.

301 World Religions. (3) I, II. Study of the basic notions found in the world's great religions. Attention is given to the historical context of the development of these religions and to the doctrines, rituals and literature produced by them. Gen. Ed. 07.

305 Survey of the Old Testament. (3) I. A survey of the history and religious development of the ancient Hebrews, with attention given to the religious concepts and values of the literature of the Old Testament.

306 Survey of the New Testament. (3) II. A study of the history of the New Testament times and an examination of the meanings and significance of the teachings of Jesus and the writings of the early Church.

315 History of Christian Thought. (3) A. A survey of Christian theology, philosophical theology, and spirituality from the Apostolic Fathers through the early Reformation period.

335 Islam. (3) A. A study of the origins and religious development of Islam by an examination of the Koran and the writings of some major Islamic thinkers.

340 Religions of India. (3) A. Study of the major religions of India including the Vedic Period, classical systems, Epic Period, heterodox systems, orthodox systems, and contemporary thought.

345 Religions of China and Japan. (3) A. Study of the major religions of China and Japan, including original Han, Confucianism, Cho Schools, Neo-Taoism, Shinto, and Chinese and Japanese Buddhism.

349 Cooperative Study: Religion. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

355 Religions of Africa. (3) A. A study of traditional African religions and other religions in Africa.

370 Special Topics in Religion. (3) A. Prerequisite: instructor approval. Intensive study of a selected topic or an important figure in religion. May be retaken to a maximum of six hours if the topic is different.

420 Contemporary Ideas of God. (3) A. Study of some of the main concepts of God in contemporary thought, dealing with Eastern thinkers as well as those in the Western tradition.

495 Independent Work in Religion. (3) I, II. Prerequisite: instructor approval. Individual study under the direction of an instructor on a special topic in religion. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours if topic is different.

499 Senior Thesis. (3) A. Prerequisites: first semester senior and completion of all but 12 hours of the major; or advisor approval. Supervised, independent thesis for seniors majoring in religion. Students' thesis proposals must be approved by thesis supervisor and departmental committee prior to enrolling in the course.

505 Seminar in Religion. (3) A. Prerequisite: instructor approval. Research and discussion on a selected topic in religion, with special attention to the techniques of scholarly exploration. May be retaken to a maximum of six hours if topic is different.

GRADUATE COURSE

705 Seminar in Religion. (3) A.

DEPARTMENT OF SPEECH COMMUNICATION AND THEATRE ARTS

Moreton, Chair; Boord-Dill, Huss, K. Johnson, LaFleur, Robinette, Rudick, Tracy.

The Department of Speech Communication and Theatre Arts offers major programs in speech communication, speech and theatre arts, and theatre arts; and in conjunction with the Department of Music, a Bachelor of Fine Arts in the Performing Arts.

The major in speech communication offers the student an interdisciplinary program in communication consisting of a core of communication and other human-related courses, and two areas of emphasis, chosen by the student in consultation with the advisor. The goal of this interdisciplinary major is to produce a communication specialist with career opportunities in such fields as personnel and sales, industrial relations, law enforcement, military, social programs, and government.

Speech Communication

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **51 hours**

Core ..... **33 hours**
SPE 100, 200, 205, 300, 310, 320, 350, 406, 410, PHI 362, and PSY 202.

Options

Human Services Communication ..... **18 hours**

Cognate ..... **12 hours**
A cognate area (such as sociology, public relations, counseling, psychology) to be selected by the student in strict consultation with the advisor.

Electives ..... **6 hours**
Electives to be chosen from SPE 210, 325, or SOC 235.

Organizational Communication ..... **18 hours**

Required ..... **12 hours**
ACC 201, ECO 231, and six hours from CIS 212, MGT 300, or MKT 300.

Electives ..... **6 hours**
Six hours upper division business courses for which prerequisites have been met.

General Education Requirements ..... **46 hours**
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
AHO 100 and eight hours of restricted electives.

Free Electives ..... **22 hours**

Total Curriculum Requirements ..... **128 hours**

MINOR IN SPEECH COMMUNICATION

Minor Requirements ..... **21 hours**
SPE 200, 205, 310, 350, 410, PHI 362, and PSY 202.

Speech and Theatre Arts

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **38 hours**
SPE 100, 150, 200, 205, 210, 340, THE 110, 135, 220, 235, 130/330 (2), 341; and 390 or 391.

General Education Requirements ..... **46 hours**
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
AHO 100 and eight hours of restricted electives.

Free Electives ..... **35 hours**

Total Curriculum Requirements ..... **128 hours**

Speech and Theatre Arts (Teaching)

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **38 hours**
SPE 100, 150, 200, 205, 210, 340, THE 110, 135, 220, 235, 130/330 (2), 341; and 390 or 391.

Minor Requirements ..... **21 hours**
A 21-hour teaching minor is required. To be chosen from the following areas: art, English, French, school health, history, math, or Spanish.

Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 443, 498, and 499.

General Education Requirements ..... **46 hours**
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
AHO 100 and eight hours of restricted electives. (Restricted electives may count toward the minor to reduce the hours in the total curriculum.)

Total Curriculum Requirements ..... **142 hours**

Theatre Arts

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **38 hours**
THE 110, 135, 200, 220, 235; 285 or 385; three hours from THE 310, 311 or 320; THE 341, 390, 391, 430, 130/330 (4), and SPE 150.

General Education Requirements ..... **46 hours**
Standard General Education Program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
AHO 100 and eight hours of restricted electives.

Free Electives ..... **35 hours**

Total Curriculum Requirements ..... **128 hours**

MINOR IN THEATRE ARTS

Minor Requirements ..... **18 hours**
THE 110, 135, 130/330 (3), 341; 390 or 391; and three hours theatre arts electives.

MINOR IN THEATRE ARTS (TEACHING)

Minor Requirements ..... **21 hours**
THE 110, 135, 130/330 (3), 341; 390 or 391; and six hours of theatre arts electives.

BACHELOR OF FINE ARTS IN PERFORMING ARTS

The B.F.A. in the performing arts is a professional degree program designed to prepare the student as a performer in the musical theatre. The B.F.A. consists of course work in music, drama, and dance, and directed performance in musical theatre productions.

Performing Arts

MAJOR (BACHELOR OF FINE ARTS)

Major Requirements ..... **65 hours**
THE 110, 135, 200, 235, 280, 285 (2), 130/330 (3), 340 (2), 341, 385 (2); 390 or 391; eight hours of applied voice: (MUS 122, 222, 322, 422), MUS 181, 182, three hours from 272, 273, 371, or 372, and two hours vocal ensemble consisting of appropriate sections of MUS 225 or 226 starting the first semester of entrance into the program. Candidates must meet piano certification requirements as stated in the music section of this *Catalog*. Fifteen hours to be chosen, in consultation with the departmental advisor, from the following courses: SPE 150, 340, THE 220, 285, 310, 311, 320, 335, 385, 390, 391, 430, 435, 442, 490, 499, MUS 272, 273, 371, 372, 322, 422, 225, or 226.

General Education Requirements ..... 46 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
AHO 100 and eight hours of restricted electives.

Free Electives ..... 8 hours

Total Curriculum Requirements ..... 128 hours

Course Descriptions

SPE—Speech

100 Introduction to Human Communication. (3) I, II. An introduction to the study of human communication. Overview of major topics in contemporary theories of intrapersonal, interpersonal, small group, and public communication. Practice in the development of skills in each of these areas. Gen. Ed. 03 or 04.

150 Improvement of Voice and Articulation. (3) A. Basic theory and speech production; phonetic and vocal drills for improvement of voice and articulation; adapted to students' individual speech needs.

200 Interpersonal Communication. (3) I, II. An introduction to the study of interpersonal communication including practical experience toward the development of communicative competence in personal and professional settings. Gen. Ed. 03 or 04.

205 Argumentation. (3) I. Principles, practice, and forms of argumentative discourse. Emphasis on the organization and structure of arguments, the forms and quality of evidence, the management and resolution of conflict, problems of reasoning, and sensationalism. Gen. Ed. 03 or 04.

210 Public Speaking. (3) II. Principles of and practice in the art of public speaking. Study of the invention, organization, style, delivery, and audience adaptation of informative, persuasive, and commemorative speeches. Gen. Ed. 03 or 04.

225 Nonverbal Communication. (3) A. A study of nonverbal communication focusing on facial, eye, and bodily communication; voice; and physical appearance in personal and professional settings.

300 Business and Professional Speaking. (3) II. Practical introduction to the skills of interviewing, conferencing, and public speaking. Preparation and presentation of the oral report, the sales/service presentation, and the occasional address.

310 Small Group Communication. (3) A. Formerly SPE 220. Introduction to theories of small group communication. Exposure to various types of groups with special emphasis on developing skills in problem solving and group dynamics.

315 Forensics Practicum. (1) I, II. Prerequisite: instructor approval. Study and application of the principles of argumentation and debate. Students participate in intercollegiate forensic activities which include debate as well as individual speaking events. May be retaken to a maximum of four hours.

320 Persuasion. (3) A. Study of contemporary research and classical theories of persuasion and social influence. Theoretical analysis of political campaign strategies, citizen advocacy, and selected social movements. Practice in the design and analysis of persuasive messages.

325 Communication in Conflict Management. (3) A. Application of several subdisciplines of the process of communication (argumentation, persuasion, small group discussion, and public speaking) as they apply to the study, practice, and understanding of conflict management in personal, industrial, and corporate settings.

340 Oral Interpretation. (3) A. Basic techniques of text analysis and practice in reading aloud as a solo performer and as a member of a group.

349 Cooperative Study: Speech. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

350 Organizational Communication. (3) I. An introduction to fundamental concepts and basic research related to communication behavior in organizational settings. Emphasis on internal and external communication, theory, techniques, practice, and the social environment.

375 Intercultural Communication. (3) A. A study of the communication process across cultures with emphasis on intercultural perceptions, values, and language problems as well as nonverbal expression in personal and professional settings.

406 Communication Training and Development. (3) I, II. An introduction to the field of communication training and development for corporate, industrial institutional, medical or educational settings. While studying the theoretical frameworks (communication theory, organizational theory, and other theories) on which training and development techniques are based, students will practice training techniques in simulated situation.

410 Human Communication Theory. (3) A. A survey of the major theories of human communication from the Greco-Roman period to the present with an emphasis on contemporary developments in the field.

415 Communication in the Legal Process. (3) A. Prerequisite: SPE 200 or instructor approval. The application of communication theories, correlating concepts of feedback, interactional vs. transactional communication, small group and other related areas of communication to the study, practice, and understanding of the legal process.

490 Special Topics in Communications. (1-3) A. Presentation of course material of a timely, specialized, or topical nature. Specific course orientation will appear beside title. May be retaken to a maximum of nine hours if subject matter is different each time.

499 Independent Study in Speech Communication. (1-3) I, II. Individual research and reading on a specified speech communication subject. Regular consultation and final paper or performance required. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

GRADUATE COURSE

805 Independent Study in Speech Communication. (1-3) A.

THE—Theatre Arts

100 Forms and Philosophy of Theatre. (3) I, II. Understanding and appreciating the arts of the theatre, development of dramatic forms and practices, consideration of the elements of contemporary theatrical practice. Analysis of plays. Attendance at selected play productions required. Gen. Ed. 07.

110 Stagecraft. (3) A. Problems of stagecraft dealing with the scenic process; use of materials, methods of construction and handling of scenery, fabrication and construction of properties. 2 Lec/2 Lab.

130 Theatre Arts Practicum I. (1) I, II. Study and practice of technical production through participation in departmental productions. May be retaken to a maximum of three hours.

135 Acting I. (3) I, II. Investigation and practice of the fundamentals in the acting process. Course work will include physical and mental preparation for the actor, improvisation, and beginning scene work.

200 Theatrical Makeup I. (2) A. Techniques in application and design of stage makeup, both straight and character.

220 Costume Construction. (3) A. Study and practical experience in garment construction and related costume crafts as used in theatre costume design. 2 Lec/2 Lab.

235 Acting II. (3) I. Prerequisite: THE 135. Study and practice in analysis, character development and rehearsal as related to scene study; emphasis on twentieth-century acting styles.

280 Acting for Musical Theatre. (3) A. Prerequisite: THE 135. Study of Musical Theatre as an art form, and an examination of the acting process and how it applies to the musical genre; performance work is included.

285 Dance for the Stage I. (2) I, II. A beginning course in dance for the stage. Starting with basic work in ballet to develop strength and coordination, the class moves into jazz styles and routines for the stage. Class meets for one hour, Monday through Thursday. May be retaken to a maximum of eight hours.

310 Scenic Design. (3) A. Prerequisite: THE 110 or instructor approval. Principles of composition, scale, perspective, and color applied to the stage; production of ground plans, sketches, and models. 2 Lec/2 Lab.

311 Stage Lighting. (3) A. Prerequisite: sophomore standing. Examination of theories of lighting with application to the stage, mixed media, dance, and natural environment. Consideration given to color principles, lighting instruments and control equipment. 2 Lec/2 Lab.

320 Costume Design. (3) A. Design and execution of theatrical costumes with emphasis on originality, color and line. Attention given to costumes of various periods and styles. 2 Lec/2 Lab.

330 Theatre Arts Practicum II. (1) I, II. Prerequisite: THE 130 or departmental approval. Continuation of THE 130. May be retaken to a maximum of three hours.

335 Acting III. (3) A. Prerequisites: THE 235 and SPE 150. Advanced study and rehearsal in verse drama, concentrating on language and action analysis, and character development for performance; emphasis on Classical and Elizabethan repertoires.

340 Audition Workshop. (1) A. Prerequisite: instructor approval. Study and practice in theatrical auditioning, resume creation and actor's self-presentation; performance workshop in approach. May be retaken to a maximum of four hours.

341 Directing. (3) A. Prerequisite: THE 135 or instructor approval. An introduction to the principles of play directing. Study of play selection and analysis, characterization, composition, blocking, and casting and rehearsal procedures.

349 Cooperative Study: Theatre Arts. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

385 Dance for the Stage II. (2) I, II. Prerequisite: THE 285. Upper division dance course. Emphasis is placed on technique and polish through more advanced combinations and a greater diversity of styles. Ensemble work, tap, jazz, and partnering will be included. May be retaken to a maximum of eight hours.

390 Theatre History I. (3) I, A. Intensive examination of development of theatre from the Greeks to the French Renaissance. Gen. Ed. 07.

391 Theatre History II. (3) II, A. Development of theatre from the English Restoration to the modern period. Gen. Ed. 07.

430 Dramatic Literature. (3) A. Cross listed as ENG 430. Survey of the major periods and genres of world dramatic literature, from the Greeks to the present; selected readings from the major playwrights, critics, and theorists. Credit will not be awarded to students who have credit for ENG 430.

435 Acting IV. (3) A. Prerequisites: THE 235 and SPE 150. Advanced study and rehearsal in period styles. Practice in character analysis and technique for performance. Exact course content may vary with instructor or needs of students.

442 Independent Study in Play Direction. (1-3) A. Prerequisites: THE 341 and departmental approval. Direction of a studio or major production under faculty guidance. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

490 Special Topics in Theatre Arts. (1-3) A. Presentation of course material of a timely, specialized or topical nature. Specific course orientation will appear beside title. May be retaken to a maximum of nine hours, if the subject matter is different.

499 Independent Study in Theatre Arts. (1-3) I, II. Prerequisite: departmental approval. Independent study in theatre production and research. May be retaken to a maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSE

805 Independent Study in Theatre Arts. (1-3) A.

COLLEGE OF BUSINESS

, DEAN

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The College of Business, one of the largest units within the University, offers a diverse set of academic opportunities for students. More than 60 full-time faculty provide a person-centered experience for students majoring in the College. The programs in the College of Business are designed to provide professional education for careers in business. Together with the general education requirements, the curriculum also provides an understanding of one's cultural heritage and of the citizen's role in a rapidly changing technology driven society. Many graduates of the College have advanced to positions of prominence in their chosen fields.

GRADUATE EDUCATION

The College of Business, in cooperation with the Graduate School, offers the degree of Master of Business Administration. The Department of Administrative Communication and Services cooperates with the College of Education to offer the Master of Arts in Education degree for teachers of business.

THE FOUR-YEAR BACHELOR OF BUSINESS ADMINISTRATION DEGREE PROGRAM

Four-year programs leading to the degree of Bachelor of Business Administration are offered in accounting, administrative communication and services, computer information systems, economics, finance, general business, health care administration (in cooperation with the College of Allied Health and Nursing), insurance, management, marketing, real estate, and transportation and physical distribution management. Pre-baccalaureate programs in business have been established to facilitate the admission of qualified students into these programs. Specific requirements for admission to Bachelor of Business Administration degree programs are listed below. A four-year program for secondary business teachers leading to the Bachelor of Science degree is also offered. Statements below concerning the "BBA program" should be interpreted as also applying to students seeking the Bachelor of Science program sponsored by the College of Business.

Blending Interests in Business and Law

Many students planning to attend law school find undergraduate programs in business particularly good background for their legal study. Extensive course work in accounting or economics is especially recommended for students with this goal.

CENTRAL ADVISING OFFICE

B. Fening, Manager

An important service to students majoring in business is provided by the College of Business Central Advising Office (CAO). Located in Combs 326, the CAO is open daily to provide advice and assistance to pre-business and business majors. Students who decide to major in business will file a curriculum plan with the CAO and, with the assistance of professional counselors, will make course selections appropriate to their interests and in conformance with College requirements. The CAO staff will also assist students in making contact with College of Business faculty members who can provide advice on career matters and assist students in making elective course choices.

During portions of the term, the CAO maintains evening hours for the convenience of part-time and other nontraditional students. Business majors should familiarize themselves with the services of the CAO very early in their career at Eastern.

FINANCIAL AID

Students in the College of Business are eligible to apply for financial aid and grants and should contact the Financial Assistance office if interested.

ADMISSION TO UPPER DIVISION STUDY IN BUSINESS

The structure of four-year programs leading to the Bachelor of Business Administration (BBA) degree follows the professional curriculum model. Under this model, students wanting to major in business are first admitted to the University but not to the College of Business. When first enrolled, students are classified pre-baccalaureate (pre-business) majors.

When a student satisfactorily completes (or nears completion of) the pre-baccalaureate curriculum, he/she may apply for admission to the College of Business (to pursue upper division study in business). Applications are normally submitted in the second semester of the sophomore year. If approved, the student will be admitted into the College of Business and his/her classification will be changed from "pre-baccalaureate" status to that of an admitted major in one of the College's four-year degree programs.

To be favorably considered for admission to the College, which allows students to enroll in business courses numbered 300 or above, the student must have:

1. completed 60 semester hours of course work, including the following courses (which are known as the "foundation courses"): MAT 107 or MAT 211; ENG 101 and 102 (or 105); ACC 201, 202, ECO 220, 230, 231, and GBU 204;
2. an overall GPA of 2.0 for the sixty or more hours of course work taken at the time of application for upper division study;
3. a grade of "C" or better in each of the foundation courses, and an overall GPA of 2.3 for these same nine courses.

Prior to formalizing their admission to upper division study in business, students may *register* during the second semester of their sophomore year to take upper division business courses *if* they (1) have completed at least 42 semester hours of college work, (2) are enrolled in or have successfully completed the foundation courses listed above, and (3) are enrolled in enough additional course work to include their 60th semester hour of credit. If the student does not completely fulfill requirements for admission to a BBA program at the beginning of a term for which the student has registered for upper division business courses, or if the student drops any of the corequisite foundation core classes, he/she will be required to withdraw, or will be administratively withdrawn, from upper division business courses. Further registrations for such courses will be denied until all program admission requirements have been met.

Students are advised that a delay in completing the foundation courses will cause a delay or an interruption in a student's progression toward completing a BBA degree program.

TRANSFER STUDENTS AND STUDENTS FROM OTHER EKU COLLEGES

Transfer students must have completed at least 60 semester hours of course work and all the foundation courses listed above to be eligible for admission into a Bachelor of Business Administration program. Admission requirements into BBA programs for transfer students are the same as those for students enrolling initially at Eastern Kentucky University, including an overall GPA of 2.0, with a 2.3 GPA for the foundation courses with no grade lower than a "C".

Transfer students and students from other colleges may be admitted to a pre-baccalaureate business program while they are qualifying for admission into a Bachelor of Business Administration program.

The College of Business considers lower division credits transferred to Eastern as lower division, even if Eastern offers what appears to be a comparable course at the upper division level. However, the Dean of the College of Business may accept individual courses at Eastern if the courses are validated using acceptable validation techniques. CLEP and departmental exams are examples of possible validation techniques. With specified courses in real estate and accounting, the successful completion of advanced courses in the subject field for which the transfer course is a foundation or supporting requirement is an acceptable validation method. A successfully validated lower division transfer course may not be utilized to fulfill the 43 hour upper division graduation requirement.

Students from other colleges at Eastern Kentucky University wishing to change their program to a Bachelor of Business Administration must satisfy requirements specified in the current *Catalog* for pre-baccalaureate business majors.

Transfer students should refer to the statements elsewhere in this section which describe "Residency Requirements."

ELIGIBILITY FOR READMISSION

Any student who withdraws from a Bachelor of Business Administration degree program and wishes to be readmitted must petition, in writing, the Admission Committee of the department responsible for the major. The petition must be filed in the department office by April 15 for summer term or fall semester entry and October 15 for spring semester entry. Readmission decisions may be appealed only on a procedural basis to the College of Business Admission Appeals Committee. Final appeal authority resides entirely within the College of Business. The College of Business Admission Appeals Committee shall be composed of one elected member from each department within the College of Business. The chair of this committee shall be selected by the members of the committee.

PREREQUISITE STRUCTURE IN THE COLLEGE OF BUSINESS

The curriculum in the College of Business is highly structured and carefully integrated. The content and methodology utilized in upper division junior and senior level courses are based upon the assumption that students participating in them have matriculated through a specific series of lower division freshman and sophomore level courses which provide students with competencies needed for successful participation in upper division College of Business courses.

Students who may enroll in upper division business courses include:

1. College of Business majors who have earned a grade of "C" or better in the foundation courses with a 2.3 GPA;
2. College of Business minors;
3. Students majoring in other departments whose planned curriculum includes (by virtue of agreements of sponsoring departments with the College of Business) selected business courses which support a nonbusiness major or minor; nonbusiness students must complete all lower division business courses required in their major prior to enrolling in any upper division business courses;
4. Students in the College of Social and Behavioral Sciences seeking the Bachelor of Arts degree in economics;
5. Those students who are not in categories one through four, above, and who obtain permission of the Dean of the College of Business or his/her designee to enroll in upper division College of Business courses.

Students who enroll in upper division College of Business courses, and who do not meet the eligibility requirements as outlined in one through five, above, are subject to having their enrollments in such courses cancelled by action of the Dean of the College, without notice, at any time during the term.

CURRICULUM CONCEPT FOR BUSINESS MAJORS

The prerequisite structure is an integral part of the College of Business curriculum. It is very important for a College of Business student to carefully plan his/her academic progression. Assuming he/she has been admitted to the College of Business, a student generally completes the following courses during the time frames indicated.

Freshman year	– Complete CBO 100 in First Semester Begin Foundation Courses Begin General Education Courses
Sophomore year	– Finish Foundation Courses Continue General Education Courses Apply for Admission to a BBA Program
Junior year	– Begin Upper Division College of Business Core, especially MKT 300, MGT 300, and FIN 300 in First Semester Begin Major Requirements Sign Planned Curriculum
Senior year	– Complete College of Business Core Complete Major Requirements Complete GBU 480 in Final Semester Apply for Graduation in First Semester

MGT 300, MKT 300, and FIN 300 are "gateway" courses and are prerequisites for all other course work in these fields.

PLANNED CURRICULUM

When a student completes 60 credit hours of course work and has been admitted to the College of Business (to upper division study in business), he/she must formulate a Planned Curriculum. The Planned Curriculum specifies the student's remaining graduation requirements for the major(s) and, if applicable, minor(s) being sought. The process is initiated by a contact with the College of Business Central Advising Office. The Planned Curriculum is finalized only after it is approved by the student's advisor, department chair(s), and the college dean.

DEGREE REQUIREMENTS

General University requirements described on page 25 in Part Three of this *Catalog*, as well as specific course requirements set forth in the description of curricula, must be met by students completing associate and baccalaureate programs administered by the College of Business. See programs under each department for major and minor requirements. Common to all programs is the Academic Orientation course (CBO 100) of the College of Business.

In order to be graduated with a Bachelor of Business Administration degree, students must apply to the office of the Dean of the College of Business. December graduates should apply the preceding April; May and August graduates should apply the preceding October. The requirements for the degree are as follows:

1. A 2.0 GPA must be maintained in all work taken in the College of Business.
2. Candidates for degrees must earn 30 of the last 36 hours at Eastern Kentucky University. This requirement may be waived by the Dean of the College of Business.
3. Hours earned by correspondence study are accepted upon written approval of the Dean. However, not more than 25 percent of the total hours applied toward a degree may be earned via correspondence or telecourse instruction, military credit, or credit by examination.
4. Not more than 50 percent of undergraduate course work shall be devoted to business, economics, and administration. However, up to nine semester hours of economics and up to six semester hours of mathematics/statistics will not be included in this 50 percent.
5. Completion of the business core and supporting course requirements.
6. At least 12 hours in the major must be earned at Eastern Kentucky University. A grade of "C" or higher is required in each course for credit toward the major.
7. Students must choose a major field at the time they enter the College of Business. The student's registration form for each semester must be approved by the Central Advising Office.
8. A second major can be completed in the College of Business or in another college of the University. A third business major will not be permitted. Because business students take the business core, they are limited to selected minors offered by the College of Business.
9. A signed planned curriculum.

Restricted electives requirements for bachelor's degree programs sponsored by the College of Business cannot be met by choosing courses taught by the College of Business. (See: Point four, under degree requirements.)

RESIDENCY REQUIREMENT

The University's general requirement is that students must earn at least 32 semester hours at Eastern; and that 30 of the *last* 36 hours taken must have been earned in residence at Eastern. The College of Business *additionally* requires all students awarded a bachelor's degree in a business program sponsored by the College of Business to complete at least *50 percent* of the "business credit hours" required for the degree *at* Eastern Kentucky University.

APPLICATION FOR GRADUATION

Students must file an application for graduation in the dean's office no later than April 30 for December graduation and no later than October 31 for either May or Summer graduation. No student without an approved Planned Curriculum on file will be permitted to apply for graduation. It is the student's own responsibility to plan and register for the proper courses to meet all graduation requirements.

REQUIRED SUBJECTS

General Education

(Refer also to Index under General Education requirements.)

ENG 101 and 102 (or 105); zero to three hours symbolics of information, excluding ACS 201; nine to twelve hours humanities; nine to twelve hours social science, excluding ECO 230 and ECO 231; nine to twelve hours natural science; HPR 180, 282, and HEA 281.

University Requirements

CBO 100 and eight hours of restricted electives to be met by MIL 101, 102, 202, and 203, or by electives to be chosen outside the College of Business.

Supporting Course Requirements

MAT 107 or 211 (MAT 211 is required for economics majors and will satisfy the math requirement for entry into the MBA program).

The Business Core: 45 hours

ACC 201, 202; ACS 201 or 300; CIS 300, ECO 220, 230, 231, and a three credit upper division course in economics; FIN 300, GBU 204, 480, MGT 300, 340, 370, and MKT 300.

CBO—Business Orientation

100 Academic Orientation. (1) I. Designed to orient the student to university academic life and afford background for career choice and preparation. Included are University regulations and calendar, *Catalog* details, registration and preregistration, various career opportunities, and program requirements. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned.

COURSE PREREQUISITES

Students are urged to review carefully all course prerequisites, including the 60 hour rule, before scheduling 300-level courses (See Index under "Course Numbering"). Prerequisites are necessary for the maintenance of quality teaching standards and must be observed. Failure to do so may result in the student being administratively withdrawn from a course(s).

SATISFACTORY PROGRESSION AND REPEAT COURSE POLICIES

The College of Business limits the number of times a business major or minor may repeat a course. Courses may be repeated *only once*. Exceptions to this policy are rare and must be approved by the Dean of the College of Business. A student may enroll in the same course for a third or subsequent time only under unusual circumstances and with the written permission of the dean of the college of the student's first major. An enrollment is counted as a repeat if a previous enrollment in the course resulted in a passing or failing grade. If a student enrolls in a course for a third or subsequent time without approval, the student will be administratively withdrawn from the course.

Approval for any GPA deletion of "F's" previously earned in a College of Business course is contingent upon successful completion of courses for which "repeat approval" has been granted. The student's transcript reflects all grades; courses repeated with approval will be noted with an "R" next to it.

BACHELOR OF SCIENCE IN BUSINESS EDUCATION (TEACHER CERTIFICATION)

The Department of Administrative Communication and Services, in cooperation with the College of Education, provides programs leading to certificates qualifying graduates to teach business subjects in the high school. Students in these programs must have a GPA of 2.5 on their record and also in their major teaching area to be eligible for student teaching. Students following these programs must meet the foundation core requirements as noted. Students interested in business teacher certification should consult the Chair of the Department of Administrative Communication and Services.

COOPERATIVE EDUCATION

J. Gump, Coordinator

The College of Business participates in the "university-wide cooperative education program." Enrollment is open only to College of Business majors. Cooperative education is an opportunity for students to enrich the standard curriculum with supervised and structured work experience highly correlated to their academic major. Students will be permitted to enroll in cooperative education courses sponsored by the College of Business only after a satisfactory job description, training plan, and agreement with a cooperating employer have been submitted. The Cooperative Education Coordinator in the College can provide advice and assistance for students wishing to meet these requirements or who need help in locating a cooperating employer offering relevant work experience.

Eligibility: Cooperative education courses in the College of Business are listed at the 300 level, which presumes that students seeking to enroll in them will have achieved junior level standing and will also have completed the business foundation courses specified elsewhere in this section. Further, students must hold a cumulative GPA of 2.25 and obtain the approval of the appropriate department chair to be eligible to enroll in a cooperative education course.

Enrollment limits: Normally, a business major may only enroll for three hours of cooperative education credit in any one term. Students may re-enroll, usually with a different cooperating employer, in subsequent terms to earn a maximum of six hours of academic credit. Eighty hours of supervised work experience must be documented for each semester hour of academic credit granted.

EVENING/WEEKEND STUDY IN THE COLLEGE OF BUSINESS

To meet the needs of working adults and others whose responsibilities limit access to daytime participation in college study, the College of Business offers courses and programs in the evening and on Saturday mornings. While many courses are available during these times, only two complete business majors can be pursued at this time: general business and accounting. By following a carefully developed plan, students who have the equivalent of two years of lower division course work completed can complete the remaining courses required for a BBA in these two fields through part-time evening/weekend study.

CORRESPONDENCE/TELEVISION COURSES

The College of Business participates in the University's efforts to extend learning opportunities to persons who may not be able to attend traditional campus-based classes. Details concerning which business and other courses are available through television and/or correspondence can be obtained through the Office of Extended Programs in the Jones Building. Students planning to take business-related correspondence or television courses must secure the permission of the Dean of the College of Business to enroll. If the student fails, they will be allowed only one opportunity to repeat a business-related correspondence or telecourse. For College of Business majors, television and correspondence course enrollments will be counted in a student's overall academic load. If enrollment in a telecourse or correspondence course places the student's total load beyond normal levels, the expressed permission of the dean of the college must be obtained.

THE TWO-YEAR ASSOCIATE OF ARTS DEGREE PROGRAM

The College of Business, through its Department of Administrative Communication and Services, offers a two-year Associate of Arts degree program. The program offers an attractive alternative to the individual who is not interested in or not able to pursue a full four-year baccalaureate degree program. The office systems/technologies program provides students with an attractively balanced program of study devoted to: (1) general education; (2) general business preparation; and (3) specific training oriented to the employment needs of people wishing to work in modern office support and administration roles.

Details concerning the program requirements are in the Department of Administrative Communication and Services section of the *Catalog*. Additional information about the program may be obtained from that department.

MINORS IN THE COLLEGE OF BUSINESS

The College of Business sponsors minors in five areas. They include economics, computer information systems, general business, office administration, and managerial communication.

A minor in economics maybe taken by students in any college including the College of Business. See listing of requirements under the Department of Economics.

A minor in computer information systems is offered for students in colleges other than the College of Business. See listing of requirements under the Department of Finance and Business Systems.

A minor in office administration is available to both business and non-business majors. A minor in managerial communication is available to business majors only. See listing of requirements under the Department of Administrative Communication and Services.

General Business

The business minor is offered for students in colleges other than the College of Business. It consists of 21 hours including six hours of prescribed courses, nine hours of required courses, and six hours of electives. The prescribed courses must be successfully completed prior to enrolling in any required or elective courses. Students minoring in general business must earn at least 12 hours of the total hours used for the minor in residence at EKU and attain a cumulative GPA of 2.0 in all courses comprising the minor.

Required Courses ..... 6 hours

ACC 201 and ECO 230.

Supporting Courses ..... **9 hours**
Three courses from the following: ACC 202, CIS 212, ECO 220, 231, FIN 300, GBU 204; ACS 201 or 300; MGT 220 or 300; MKT 200 or 300.

Electives ..... **6 hours**
Six semester hours of upper division business courses for which prerequisites have been met.

Total Requirements ..... **21 hours**

Other combinations of business courses may be taken by students in the College of Business. Such courses may then be listed on an employment application as a "concentration" of business courses but may not be designated as a "minor."

GRADUATE COURSE CREDIT

Courses numbered in the 500 level series are open to seniors who meet course and program prerequisites. Additional appropriate experiences are required of all graduate students enrolled in the same course with undergraduates. To properly identify graduate credit for graduate students enrolled in the same course with undergraduates, the 700 level course numbering series is used. Courses numbered in the 800 level are open only to graduate students.

DEPARTMENT OF
ACCOUNTING

J. Frazier, Chair; Cain, Chen, Collins, Dyer, Feltus, Fern, Foster, Giacoletti, Griffith, Thorne, Ward.

The Department of Accounting offers ACC 201 and 202 which are required of all students obtaining a degree in business. In addition, it offers two programs of study leading to the BBA degree. The professional accounting program is designed to prepare graduates to enter the accounting profession. Some of the graduates of the professional accounting program enter public accounting firms with the anticipation of seeking the CPA designation. Other graduates enter careers in industry or government and may seek the professional designation of CPA, CMA, or CIA. Generally, a professional designation requires a rigorous examination and a specified number of years work experience in the field before the designation is granted. The department's second degree program is a BBA degree in health care administration. The health care administration program is designed to supply a present and growing need for properly prepared management personnel in the health care industry.

A listing of required courses for each program is shown elsewhere in the *Catalog.* It is recommended that all students carefully select their courses in consultation with the Central Advising Office and the faculty of the department to improve their career effectiveness.

Courses submitted toward the major must be completed with a grade of "C" or higher. At least 12 of the hours in the major must be earned at Eastern Kentucky University. The department chair's approval must be secured to repeat any accounting course above ACC 301. ACC 550 cannot be taken by students who have an undergraduate major in accounting. No more than three accounting courses may be taken in one semester without the department chair's approval. No minors are available in the Department of Accounting.

The Department of Accounting participates in both Phases I and II of the Master of Business Administration Program. A detailed description of this program is presented in the *Graduate Catalog.*

Accounting

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ..... **31 hours**
ACC 250, 301, 302, 322, 323, 327, 350, 401, 425, 441, and three hours selected from 442, 521, 527, or 540.

Business Core ..... **45 hours**

Supporting Course Requirements ..... **3 hours**
MAT 107 or 211.

General Education Requirements ..... **43 hours**
Standard General Education program, excluding course category 03. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
CBO 100 and eight hours of restricted electives.

Total Curriculum Requirements ..... **131 hours**

Health Care Administration

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ..... **18 hours**
ACC 300, 370, 375, ACS 280, ECO 570, and MGT 320.

Business Core ..... **45 hours**

Supporting Course Requirements ..... **12 hours**
AHN 570, HEA 516, 555, and MAT 107 or 211.

General Education Requirements ..... **43 hours**
Standard General Education program, excluding course category 03. Refer to Part Three of this *Catalog* for details on General Education and University requirements.

University Requirements ..... **9 hours**
CBO 100 and eight hours of restricted electives.

Cooperative Study ..... **4 hours**

Total Curriculum Requirements ..... **131 hours**

Course Descriptions

ACC—Accounting

201 Principles of Accounting. (3) I, II. Fundamental accounting relationships; completion of the accounting cycle; accounting process for merchandise enterprise; receivables, payables and inventories; deferrals, accruals, and intangible assets.

202 Principles of Accounting. (3) I, II. Prerequisite: ACC 201. Accounting systems, concepts, and principles; formation, organization, and operations of partnerships and corporations; departments and branches; statement analysis, cost and manufacturing accounting.

250 Introductory Accounting/Computer Applications. (1) I, II. Prerequisite or Corequisite: ACC 201. Computer spreadsheets and basic accounting applications.

300 Managerial Accounting. (3) I, II. Prerequisite: ACC 202 with minimum grade of "C." Accounting structure and systems; the uses and interpretation of financial statements; accounting and management control; accounting in the decision making process. May not be taken by accounting majors.

301 Principles of Accounting-Intermediate. (3) I, II. Prerequisites: ACC 202 and 250 with minimum grade of "C" or Corequisite: ACC 250. Financial statements, current assets, investments, current and long-term liabilities, acquisitions, use and retirement of plant and equipment.

302 Principles of Accounting-Intermediate. (3) I, II. Prerequisite: ACC 301 with minimum grade of "C." Capital stock, financial statement analysis, statement of cash flows, lease and pension accounting, accounting changes, and deferred taxes.

322 Tax I. (3) I, II. Prerequisite: ACC 202 with minimum grade of "C." Income tax legislation-Federal and State; returns for individuals; gross income; basis and determination of gain or loss; capital gains and losses; dividends, deductions; withholding.

323 Tax II. (3) I, II. Prerequisite: ACC 322 with minimum grade of "C." Federal income tax report preparation with emphasis on partnership and corporate returns; estate and trusts; gift and estate taxes; special problems in preparation of tax returns.

327 Cost Accounting. (3) I, II. Prerequisite: ACC 202 with minimum grade of "C." Cost flows and cost systems; the cost accounting cycle; basic cost determination systems and procedures; standard costing; budgeting and decision making applications.

349 Cooperative Study in Accounting. (1-4) A. Prerequisites: minimum GPA of 2.25 and BBA majors only. Co-curricular work experience under faculty and field supervisors in placements related to academic studies. Training plan required. Normally one to four hours credit per semester or summer. Minimum 80 hours work required for each academic credit.

350 Accounting Information Systems. (3) I, II. Prerequisites: ACC 202 and junior standing. The conceptual foundations of accounting information systems, the technology, the systems management of accounting information systems.

370 Health Agency Accounting. (3) II. Prerequisite: ACC 202. Complexities of health agency accounting including: accounting for cost, patient revenues, third party reimbursement programs, and public rate regulation procedures.

375 Seminar in Health Care Administration. (3) A. Prerequisite: ACC 300 with a minimum grade of "C." Individual and group investigation of contemporary problems, issues, and trends in selected health care facilities.

390 Internship in Accounting. (4) II. Prerequisites: "B" average and departmental approval. By invitation only.

401 Principles of Accounting-Advanced. (3) I, II. Prerequisite: ACC 302 with a minimum grade of "C." Partnerships; home office and branch relationship; corporate combinations; consolidated balance sheet; special problems with consolidated statements; foreign branches and subsidiaries.

425 Readings in Accounting. (3) I, II. Prerequisite: ACC 401 with a minimum grade of "C." Emphasis on a conceptual understanding of accounting principles using literature published by the AICPA, FASB, and current writers. Accounting history, SEC, legal liability, conceptual framework, SFAS's and APB's.

441 Auditing I. (3) I, II. Prerequisites: ACC 302, 350, and ECO 220 with minimum grades of "C." Professional ethics; accountant's legal responsibility; internal control; general arrangement and procedure of an audit; asset accounts; liability accounts; operating accounts; the audit report.

442 Auditing II. (3) II. Prerequisite: ACC 441 with a minimum grade of "C." Application to accounting and auditing of internal control, statistical sampling, computer techniques, and audit reports.

490 Special Problems in Accounting. (1-6). A. May be retaken under different sub-topics to a cumulative maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

521 Fund Accounting. (3) I. Prerequisite: ACC 202 with a minimum grade of "C." Advanced study in accounting and fiscal procedures for institutions and federal, state, county, and municipal governments.

527 Managerial Cost Accounting. (3) A. Prerequisite: ACC 327 with a minimum grade of "C." Advanced problems in cost, budget, distribution costs, measurements of departmental efficiency, and analysis of cost information for managerial decisions.

540 CPA Law. (3) I, II. Prerequisites: strong accounting background and instructor approval. Law as it relates to the accounting profession. Cases used from previous examinations given by the AICPA. Emphasis on short cuts and suggestions for timesaving on the examination.

550 Accounting for Non-Profit Organization. (3) II. General theory of budget implementation, and reporting as well as internal control and other significant areas for not-for-profit organizations. Cannot be taken by students who have an undergraduate major in ACC.

GRADUATE COURSES

721 Fund Accounting. (3) I.
727 Managerial Cost Accounting. (3) A.
740 CPA Law. (3) I, II.
750 Accounting for Non-Profit Organizations. (3) II.
820 Survey of Accounting. (3) I.
850 Managerial Accounting. (3) II.
855 Advanced Auditing. (3) II.
857 Research in Taxes. (3) I.
858 Accounting Theory. (3) II.
860 Seminar in Accounting. (3) A.
890 Special Problems in Accounting. (1-6) A.

DEPARTMENT OF

ADMINISTRATIVE COMMUNICATION AND SERVICES

R. Davis, Chair; Adkins, Gump, Hogg-Hartman, Jennings, Jones, Vice.

The objectives of the Department of Administrative Communication and Services are to prepare—professionals for positions involving the implementation, management, and evaluation of office systems; future business managers who have expertise in the critically important skills of written and oral communication; skilled support personnel to fulfill technical office functions; and qualified, certified secondary school business teachers.

Students may major in four-year programs in administrative services, managerial communication, or business education or in a two-year office systems/technologies program. Non-teaching minors are also offered.

ADMINISTRATIVE COMMUNICATION AND SERVICES PROGRAM

The Bachelor of Business Administration degree with an option in administrative services is designed to prepare graduates for professional and managerial office-related tasks including analyzing office systems; planning for and designing appropriate office systems; implementing new office technologies; evaluating and managing office systems; and training personnel in the use of appropriate procedures, equipment, and human relations skills to improve office worker productivity.

An option in managerial communication is designed to prepare business graduates who have expertise in the critically important managerial functions of written and oral communication. In addition to having a broad business background provided by the Bachelor of Business Administration business core, graduates of this option will be prepared in specialized areas of managerial communication including report, letter, and memorandum writing; oral presentations; interview and meeting techniques; public relations writing; company publications; and desktop publishing.

Administrative Communication and Services

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ..... 24 hours
Administrative Communication and Services Core ..... 12 hours
ACS 200, 290, 300, and 302.
Options
Administrative Services ..... 12 hours
ACS 250, 303, 349, and 560.
Managerial Communication ..... 12 hours
ACS 450, JOU 201, PUB 375, and 380.
Business Core ..... 45 hours
Supporting Course Requirements ..... 6 hours
Administrative Services Option
ACS 254; MAT 107 or 211.
Managerial Communication Option
SPE 100; MAT 107 or 211.

General Education Requirements ..... **43 hours**
Standard General Education program, excluding course category 03. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **9 hours**
CBO 100 and eight hours of restricted electives.
Free Electives ..... **1 hours**
Total Curriculum Requirements ..... **128 hours**

MANAGERIAL COMMUNICATION MINOR *(for business majors only)*

The managerial communication minor is offered for business (BBA and BS) majors who want to increase their communication effectiveness in their major field of study. The minor is designed to provide training in interpersonal communication, oral and written presentations, research and reporting, and production of other business publications/communications. These skills are transferrable to any profession and are crucial in tasks such as communicating organizational change, establishing and implementing goals, communicating internally, relating to employees, dealing with the public, and addressing the media. The managerial communication minor consists of the following courses (18 hours) with 50 percent (nine hours) taken in residence at EKU: ACS 201 or 300 (whichever has not been completed as part of the business core); ACS 200, 290, 302, 450, and JOU 201. Courses taken toward a major may *not* be counted toward the minor in managerial communication. Substitute courses must be approved by the department chair.

OFFICE ADMINISTRATION MINOR

A non-teaching office administration minor consists of the following courses (18 hours) with 50 percent (nine hours) taken in residence at EKU: ACS 200; 201 or 300; 250, 290, 302, and 303. Courses taken toward a major may *not* be counted toward the minor in office administration.

BUSINESS EDUCATION PROGRAM

The Department, in cooperation with the College of Education, provides a program leading to a Bachelor of Science degree and certifies qualifying graduates to teach business education at the secondary level. Students who desire to qualify as teachers for federally reimbursed vocational business education programs completes this major; and, they must also have the equivalent of a year (2,000 hours) of appropriate office work experience.

In order to be admitted to a business teacher education program and to be eligible for student teaching, students must have a 2.5 GPA on their entire record and also in their teaching field or fields. All business education majors must satisfactorily complete competency examinations and the National Teachers Examination (NTE). Student teaching in business education is done in the fall only.

Effective with the 1991-92 academic year, business teacher candidates shall be admitted to the teaching major in comprehensive business only. Persons already admitted to the teaching major in basic business and in secretarial studies shall complete the program by September 1, 1995. Students with questions are encouraged to see the Chair, Department of Administrative Communication and Services.

Business Education

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **30 hours**
ACC 201, 202, ACS 200, 201, 290, 303, CIS 300, ECO 324, GBU 204, and MGT 300.
Business Core ..... **24 hours**
ECO 220, 230, 231, FIN 300, GBU 480, MGT 340, 370, and MKT 300.
Teacher Education Requirements ..... **31 hours**
EDF 102, 202, 317, EMG 390, EPY 318, ESE 473, 498, and 499.
General Education Requirements ..... **37 hours**
Standard General Education program, excluding course categories 03, 09, and 12. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **9 hours**
CBO 100 and eight hours of restricted electives.
Total Curriculum Requirements ..... **131 hours**

ENDORSEMENTS

Advanced Data Processing: nine hours of computer information systems/data processing

Shorthand: six hours of college-level shorthand (Eastern does not offer shorthand; students must transfer their college-level shorthand for endorsement).

GRADUATE PROGRAM

Students may earn the Master of Arts in Education degree with an emphasis in business education. For information concerning this degree program, refer to the College of Education section of the *Graduate Catalog*.

OFFICE SYSTEMS/TECHNOLOGIES PROGRAM

The two-year office systems/technologies program develops knowledge, skills, and attitudes needed by office professionals to integrate the office resources of people and technology. In this program students develop traditional office skills with an emphasis on productivity and accountability. The students will also integrate these excellent technical skills into microcomputer hardware and software applications and will develop a solid background in business communication.

Office Systems/Technologies

ASSOCIATE OF ARTS

Major Requirements ..... **33 hours**
ACS 101, 107, 200, 201, 250, 254, 280, 290, 300, 302, and 303.
Supporting Course Requirements ..... **32 hours**
CBO 100, ACC 201, GBU 204; ECO 120* or 130*; six hours of English composition*, SPE 100*, three hours general education humanities*, three hours general education natural science* or MAT 107*, four hours of restricted electives, and three hours of ACC 202, ACS 349, ECO 230, or ECO 231.
Total Curriculum Requirements ..... **65 hours**

Course Descriptions

ACS—Administrative Communication and Services

101 Introduction to Business. (3) I, II. A survey of business organizations, the economic environment, business ownership, and the functions of business. For pre-business and nonbusiness majors.

105 Keyboarding for Computers. (1) I, II. Development of keyboard manipulation skills for data entry on computers. Touch techniques stressed for alpha-numerical keyboard control. Four hours in class each week for five weeks. ACS 105 is not a substitute for ACS 106.

106 Beginning Keyboarding/Typewriting. (3) I, II. Development of basic touch keyboarding skills for using computers and typewriters; introduction to formatting letters, term papers, and tables. Students who have basic keyboarding/typewriting skills may be able to bypass this course.

107 Intermediate Keyboarding/Typewriting. (3) I, II. Prerequisite: ACS 106 or equivalent. Continued emphasis on speed and accuracy building; increased emphasis on business forms, letters, manuscripts, reports, tables, text editing, and the ten-key numeric keyboard.

200 Word Processing I. (3) A. Prerequisite: ACS 106 or equivalent. Development of basic word processing skills using computers. Emphasis on text editing, formatting, saving and retrieving files, search, replace, and the columns feature.

201 Business Communication. (3) I, II. Prerequisites: ENG 101 and 102 (or 105). Principles and practices of modern business communication; various types of business letters and reports are studied; emphasis on writing letters and reports. Gen. Ed. 03.

210 International Business Communication. (3) A. Prerequisites: ENG 101 and 102 (or 105). Characteristics of cultural differences that alter communication symbols and meanings for international business activity. Topics include culture profiles and conducting business, business protocol, international documents/U.S. documents, negotiation strategies, and oral presentations to intercultural business audiences.

240 Records Management. (3) A. Creation, classification, retention, protection, and disposal of records; filing systems, procedures, and equipment; effects of technology on information management; facilities layout; records personnel administration; records control.

250 Word Processing II. (3) A. Prerequisite: ACS 200 or equivalent. Development of advanced word processing skills. Emphasis on graphics, word publishing with font usage, advanced formatting techniques, importing files created by different software, and the column, table, and merge features.

254 Business and Office Calculations. (3) A. Development of competency in business computations such as bank and sales records, discounts, commissions, markups, credit charges, payroll, taxes, depreciation, insurance, stocks, bonds, interest, and present value.

280 Office Procedures and Administration. (3) A. Procedures, technologies, human relations, and services of modern, dynamic offices.

290 Office Systems Applications. (3) I, II. Prerequisite: word processing skills required. Emphasis on applications of integrated office software as productivity tools (i.e. Microsoft Works). Comparisons made of the integrated software with WordPerfect, Lotus, and DBase IV.

300 Managerial Reports. (3) I, II. Prerequisites: ENG 101 and 102 (or 105). Applications of communication theory, research methods, and information technology to communication within organizations. Includes common communication tasks faced by managers; communication task and audience analysis; collecting, organizing, analyzing, and interpreting data. Emphasizes written and oral reporting.

302 Desktop Publishing for the Business Office. (3) I, II. Formerly ACS 260. Prerequisite: word processing skills required. Development of business document design techniques using Windows and desktop publishing on MS-DOS computers. Machine transcription for the business office introduced.

303 Integrated Office Operations. (3) A. Prerequisite: ACS 107. Provides opportunities for students to study, understand, and experience a wide range of activities appropriate for modern office operations. Refinement and application of skills and knowledge for effective and efficient operation of office systems.

340 Office Systems Planning. (3) A. Prerequisite: ACS 250. Office systems planning emphasizes work group interaction and implementation process, tactics, and strategies. Involves applications through case or field-based projects. Office systems productivity assessment; inter-group needs related to end-user, departmental, divisional, and organizational goals.

349 Cooperative Study in Administrative Services. (1-3) A. Prerequisites: GPA of 2.25; sophomore classification for associate degree; junior classification for baccalaureate degree. Supervised co-curricular work experience. Training plan required. Minimum 80 hours work required for each academic credit. May be retaken to a maximum of six hours.

420 Training in Office Systems. (3) A. This course applies theories of learning and instructional development to office systems employee education and training. Topics include instructional design; strategy; technology; and the implementation, evaluation, and management of training in an organizational environment.

450 Managerial Communication Seminar. (3) A. Prerequisites: senior standing; ACS 201, 300, and PUB 375. A capstone course which applies business competencies and emphasizes analysis, application, and integration of communication processes, methods, media, and strategies in managerial decision making.

460 Administrative Services Internship. (2-4) A. Prerequisites: GPA of 2.25; ACS 201, 300, and departmental approval. Internship experiences appropriate for the student's major. Enrollment is limited to students majoring in the Department of Administrative Communication and Services.

480 Integrated Office Systems. (3) A. Prerequisites: ACS 290, 300, and 340. This capstone course requires synthesis and applications of concepts related to current office systems topics.

490 Special Problems in Administrative Services. (1-4) A. Formerly ACS 580. May be retaken under different sub-topics to a cumulative maximum of six hours. Independent work, special topics, or seminars. Students must have the independent study proposal from approved by department chair prior to enrollment.

560 Office Management. (3) A. Function and organization of offices; office layout and equipment; personnel; work simplification and control; technology in the office; planning, organizing, and controlling office services; systems and jobs analysis.

GRADUATE COURSES

760 Office Management. (3) A.

850 Business Research and Communication. (3) I, II.

880 Independent Study in Administrative Services. (1-4) A.

DEPARTMENT OF

BUSINESS ADMINISTRATION

C. L. Hilton, Chair; P. Brewer, Brown, Davig, Edwards, A. Engle, Friel, Garner, Leonard, T. McGlone, Powers, Roberson, Siegel, Tabibzadeh, Thompson, W. Wright.

The Department of Business Administration offers courses in general business, management, marketing, and transportation and physical distribution management leading to the Bachelor of Business Administration degree.

The Department of Business Administration participates in the Master of Business Administration program. A detailed description of this program is presented in the ***Graduate Catalog.***

GENERAL BUSINESS PROGRAM

The objective of the Bachelor of Business Administration degree in general business is to prepare the student for a variety of entrepreneurial and administrative positions with small businesses or large multinational corporations as well as nonprofit organizations. Emphasis is on the development of decision-making skills, specifically in finance, management, and marketing.

Students, by careful planning and selection of all courses, may concentrate in international business within the general business major. Specifically, the student may use 11 to 23 hours in the history, geography, and language of the foreign trade area of greatest interest to them. In addition, international courses in finance (FIN 455), management (MGT 430), marketing (MKT 400), and economics (ECO 394) may be selected to partially fill the major's requirements.

The general business program may also provide an excellent foundation for graduate study in business (MBA). Interested students should consult with department faculty for professional advice about careers in the general business area.

All courses submitted toward the major must be completed with a grade of "C" or higher. At least 12 of the hours in the major must be earned at Eastern Kentucky University.

General Business

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ..... **18 hours**
Six hours finance, six hours management, six hours marketing, all in addition to the business core and determined after consultation with finance, management, and/or marketing faculty.

Business Core ..... **45 hours**

Business Electives ..... **9 hours**
Suggested electives include ACC 300, CIS 380, ECO 300, INS 370, RST 310, or TPD 315.

Supporting Course Requirements ..... **3 hours**
MAT 107 or 211.

General Education Requirements ..... **43 hours**
Standard General Education program, excluding course category 03. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
CBO 100 and eight hours of restricted electives.

Free Electives ..... **1 hours**

Total Curriculum Requirements ..... **128 hours**

Course Descriptions

GBU—General Business

204 Legal Environment of Business. (3) I, II. Prerequisite: minimum 45 hours. Law and the legal system; social forces that make the law; business response to the social and legal environment. Focus on government regulation and federal regulatory agencies which impact business decision-making.

310 Law of Contracts, Property, and Business Organizations. (3) I. Principles of the law of contracts; property and the formation, relationship and implications of partnership, corporations and agencies.

311 Law of Commercial Transactions. (3) II. Principles for law of personal property transfers, negotiable instruments, secured transactions, the application of the Uniform Commercial Code and business transactions, bankruptcy, and governmental regulation.

349 Cooperative Study in General Business. (1-3) A. Prerequisites: minimum GPA 2.25 and BBA major only. Co-curricular work experience under faculty and field supervisors—training plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit. May not count toward major.

350 Seminar in Business. (1-3) A. A carefully selected topic of special and contemporary interest to business students. May be retaken under different subtitles to a cumulative maximum of nine hours.

360 Business Internship. (2-4) A. Prerequisites: minimum GPA 2.25 and departmental approval. Practical experiences of the type appropriate for the student's major.

449 Business Consulting Practicum. (3) A. Prerequisites: senior and instructor approval. Students work under faculty supervision in a consulting role with area business firms, identifying problems, recommending corrective action, and implementing new procedures.

480 Business Strategy. (3) I, II. Prerequisite: senior who has completed or is concurrently completing all other requirements for a major in the College of Business. A capstone study of administrative processes under conditions of uncertainty including integrative analysis and formulation of strategy and supporting policy at administrative/executive levels.

GRADUATE COURSES

850 Legal, Ethical, and Social Environment of Business. (3) I.

851 Business Policy. (3) II.

MANAGEMENT PROGRAM

The objective of the Bachelor of Business Administration degree in management is to prepare graduates for entry into and advancement within management positions in both private and public sectors. Emphasis is on the development of applied and conceptual knowledge and decision-making skills required to effectively function within a variety of environments, ranging from small business to complex multinational corporations, as well as in nonprofit organizations.

Interested students should consult management faculty for professional advice about careers in management and specific course selection. Specialization is possible by selecting human resources option within the management major. This option helps prepare students for the accreditation exam in human resources management.

All courses submitted toward the major must be completed with a grade of "C" or higher. At least 12 of the hours in the major must be earned at Eastern Kentucky University.

Management

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ..... **21 hours**
MGT 320, 400, 480, and 12 hours of management electives above the core determined after consultation with management faculty.

Option

Human Resource Management
MGT 320, 400, 410, 425, 440, 445, and 480.

Business Core ..... **45 hours**

Business Electives ..... **6 hours**

Supporting Course Requirements ..... **3 hours**
MAT 107 or 211.

General Education Requirements ..... **43 hours**
Standard General Education program, excluding course category 03. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
CBO 100 and eight hours of restricted electives.

Free Electives ..... **1 hour**

Total Curriculum Requirements ..... **128 hours**

Course Descriptions

MGT—Management

220 Introduction to Management. (3) I, II. Nonbusiness majors only. Introduces management concepts, theories, systems, and functions related to the performance of businesses and other organizations in dynamic environments. Cannot be used for credit toward BBA degree.

300 Principles of Management. (3) I, II. Management principles with emphasis on organization theory and behavior, human resources, communications, production, business ethics, development of management thought, and managing in the international arena.

320 Human Resource Management. (3) I, II. Prerequisite: MGT 300. Survey of principles and practices in the areas of human resource planning, job analysis, recruitment, selection, training and development, performance appraisal, compensation, labor relations, safety and health, equal employment opportunity, and personnel research.

330 Small Business Management. (3) I, II. Prerequisite: MGT 300. Small business organization, location, financial planning, records, unit costs, merchandising, credit, and personnel policies.

340 Management Science. (3) I, II. Prerequisites: MGT 300 and ECO 220. Business decision making approaches and quantitative techniques with an emphasis on the formulation and application of models and the practical solution methods available. Credit will not be awarded to students who have credit for ECO 330.

349 Cooperative Study in Management. (1-3) A. Prerequisites: minimum GPA 2.25 and BBA major only. Co-curricular work experience under faculty and field supervisors—training plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit. May not count toward major.

370 Operations Management. (3) I, II. Prerequisite: MGT 340. Practical approaches for improving productivity of operations using methods designed for quality management, sales forecasting, facility layout and location, human resource planning and scheduling, and inventory control.

400 Organization Theory. (3) I, II. Prerequisite: MGT 300. Principles of organization design as they relate to goals and strategy formulation, environmental conditions, technology, job design, control systems, and decision making.

406 Operations Analysis. (3) I. Prerequisite: MGT 340. Advanced methods and techniques used to analyze environmental change, monitor, and analyze organizational performances, control resources, and otherwise direct the management of complex organizations.

410 Labor Relations. (3) I. Prerequisite: MGT 320. Study of labor-management relationships, including union organization campaigns, contract negotiations, grievance and arbitration procedures, labor-management cooperation, and union-free environments.

425 Compensation Management. (3) II. Prerequisite: MGT 320. Advanced study of the human resource function of employee compensation. Topics include job analysis and evaluation, compensation surveys, pay structures, budgeting, pay for performance systems, benefits administration, and federal regulation of compensation management.

430 International Management. (3) II. Prerequisite: MGT 300. The study of management of international organizations with emphasis on techniques, processes and structures. Topics include organizational culture, leadership, ethics, decision-making, and human resource management.

440 Human Resource Development. (3) I. Prerequisite: MGT 320. Advanced study of human resource management functions aimed directly at enhancing organizational effectiveness. Topics include training needs analysis; training program design, implementation, and evaluation; performance management and appraisal; and costing human resource development programs.

445 Employee Recruitment and Selection. (3) A. Prerequisite: MGT 320. Advanced study of the human resource function of staffing. Topics include: recruitment, the design and implementation of effective selection procedure which comply with federal/state requirements, analysis and reporting of employee data.

450 Management Seminar. (1-3) A. May be retaken under different sub-topics to a cumulative maximum of nine hours. Selected topics in contemporary management literature.

465 Innovation and Entrepreneurship. (3) A. Prerequisite: MGT 300. An emphasis on the role of innovation and entrepreneurship in the creation and management of new ideas, concepts, techniques, processes, methods, ventures, and knowledge.

480 Organization Behavior. (3) I, II. Prerequisite: MGT 300. Determinants and consequences of behavior in business organizations are analyzed in the contemporary language of administrative social systems and models. Interdependence of economic, social, and behavioral factors is emphasized.

490 Special Problems In Management. (1-4) A. Prerequisite: advisor/departmental approval. May be retaken under different sub-topics to a cumulative maximum of six hours. Independent work, special workshop, special topics, or seminars. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSES

821 Organization and Management. (3) II.
824 Production and Quantitative Methods in Operations. (3) I.
850 Administrative Analysis in Organizations. (3) I.
854 Advanced Management Concepts. (3) II.
860 Seminar in Human Resource Management. (3) A.
865 Seminar in Global Management. (3) A.
890 Independent Study in Management. (1-4) A.

MARKETING PROGRAM

The Bachelor of Business Administration degree in marketing is designed to prepare the student for a career in marketing. Students will learn decision-making skills in each of fundamental areas of marketing: product, distribution, promotion, and pricing. Interested students should consult marketing faculty for professional advice about specializations and marketing careers and specific course selections.

Careful selection of marketing major and business electives will allow the student to prepare for a variety of positions in marketing from small businesses to large multinational corporations, and in both profit and nonprofit organizations. The marketing program will also provide the foundation for advancement in marketing management and graduate study in business (MBA).

All courses submitted for the major must be completed with a grade of "C" or higher. At least 12 hours of the major must be earned at Eastern Kentucky University.

Marketing

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ..... 21 hours
MKT 400, 450, 455, 460, and nine hours of marketing electives above the core determined after consultation with marketing faculty.
Business Core ..... 45 hours
Business Electives ..... 6 hours
Supporting Course Requirements ..... 3 hours
MAT 107 or 211.
General Education Requirements ..... 43 hours
Standard General Education program, excluding course category 03. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... 9 hours
CBO 100 and eight hours of restricted electives.
Free Electives ..... 1 hour
Total Curriculum Requirements ..... 128 hours

Course Descriptions

MKT—Marketing

200 Introduction to Marketing. (3) I, II. Nonbusiness majors, only. Introduces marketing concepts, techniques, and practices related to businesses and other organizations. Cannot be used for credit toward BBA degree.

300 Marketing. (3) I, II. Prerequisite: ECO 230. An introduction to the marketing of goods and services in advanced market economics; study of the marketing mix, pricing, distribution, selling, promotional activities, consumer behavior, and marketing research.

304 Retailing. (3) I, II. Prerequisite: MKT 300. Principles of retailing from the marketing perspective; types of retail businesses; organizations; location; layout; management of operations, inventory, personnel, promotion, and control.

310 Personal Selling. (3) I, II. Prerequisite: MKT 300. Personal selling in marketing; the selling process, stressing the modern, international sales/marketing approach to customer society oriented problem solving.

315 Physical Distribution Management. (3) II. Cross listed as TPD 315. Prerequisite: MKT 300. Movement and storage of goods, coordination and control of inventory, customer service, packaging, materials handling, facilities location, flow of information, and transportation. Credit will not be awarded to students who have credit for TPD 315.

320 Advertising. (3) I, II. Prerequisite: MKT 300. How advertising is organized; economic and social aspects; advertising research; basic media strategy; consumer behavior; legal and other restraints; careers in advertising.

349 Cooperative Study in Marketing. (1-3) A. Prerequisites: minimum GPA 2.25 and BBA major only. Co-curricular work experience under faculty and field supervisors—training plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit. May not count toward major.

380 Seminar in Marketing. (3) A. Prerequisite: MKT 300. May be retaken under different sub-topics to a cumulative maximum of six hours. Selected topics in contemporary marketing literature.

400 International Marketing. (3) I. Prerequisite: MKT 300. Determination of marketing strategy by United States firms and multinational corporations for serving foreign markets and for adapting to variations in cultural and economic factors affecting foreign marketing efforts.

404 Retailing Management. (3) II. Prerequisite: MKT 304. Investigation of current problems faced by retailers in store operations, management, retail buying, and inventory control. Outside readings, oral and written case studies, and field trip experiences are required.

408 Sales Management. (3) II. Prerequisite: MKT 310. Sales function in modern organizations with emphasis on current management techniques: time management, on-the-job coaching, directing the sales force to sell key accounts, situational analysis, and decision-making.

426 Advertising Campaigns. (3) A. Prerequisite: MKT 320. Planning and execution of a direct marketing and advertising campaign as a part of the overall marketing strategy. Students will originate a direct marketing campaign for a client. Includes all aspects of direct marketing and advertising. Credit will not be awarded to students who have credit for COM 490.

440 Industrial Marketing. (3) A. Prerequisite: MKT 300. An analysis of the marketing structure for industrial products. Product lines, channels of distribution, selling, pricing, and wholesaling problems.

450 Consumer Behavior in Marketing. (3) I, II. Prerequisite: MKT 300. Role of consumer decision-making as it affects the marketing firm; basic concepts of consumer behavior and interrelationships that exist between marketing and the behavioral sciences.

455 Marketing Research and Analysis. (3) I, II. Prerequisites: MKT 300 and ECO 220. The role of research in marketing decision-making; the research process, with emphasis on collection, analysis, and interpretation of data as applied to solving marketing problems. Students are required to do a research project.

460 Marketing Management. (3) I, II. Prerequisites: MKT 300 plus six hours of upper division MKT courses. The strategic marketing planning process involving analysis of the changing market place; analysis of alternative strategies to meet the needs of target markets; and the profitable execution of the marketing plan.

490 Special Problems in Marketing. (1-4) A. Prerequisite: advisor/departmental approval. May be retaken under different sub-topics to a cumulative maximum of six hours. Independent work, special workshop, social topics, or seminars. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSES

820 Survey of Marketing. (3) II.
850 Marketing Problems. (3) II.
854 Global Marketing Strategies. (3) A.
890 Independent Study in Marketing. (1-4) A.

TRANSPORTATION AND PHYSICAL DISTRIBUTION MANAGEMENT PROGRAM

The Bachelor of Business Administration degree in transportation and physical distribution management is designed to attain the following objectives: (1) develop an awareness and understanding of the theories, techniques, and problems associated with moving people and goods from the viewpoint of industrial shippers, transportation carriers, and the government; (2) develop an awareness of the functional relationships of transportation and distribution management to other business functions, to the total system of the firm, and to the nation's economy; (3) provide a learning experience which combines the theoretical framework of the classroom and the applied laboratory of the business environment; and (4) provide students with the knowledge and skills needed for successful careers in transportation, carrier management, traffic management, physical distribution, and government regulation of transportation.

The transportation and physical distribution management major consists of 18 hours above the business core. All courses submitted for the major must be completed with a grade of "C" or better. At least 12 hours in the major must be earned at Eastern Kentucky University.

Transportation and Physical Distribution Management

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ..... 18 hours
TPD 315, 330, 430, 450, plus six hours to be determined after consultation with transportation and physical distribution faculty.
Business Core ..... 45 hours
Business Electives ..... 6 hours
Supporting Course Requirements ..... 3 hours
MAT 107 or 211.
General Education Requirements ..... 43 hours
Standard General Education program, excluding course category 03. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... 9 hours
CBO 100 and eight hours of restricted electives.
Free Electives ..... 4 hours
Total Curriculum Requirements ..... 128 hours

Course Descriptions

TPD—Transportation and Physical Distribution

315 Physical Distribution Management. (3) II. Cross listed as MKT 315. Prerequisite: MKT 300. Movement and storage of goods, coordination and control of inventory, customer service, packaging, materials handling, facilities location, flow of information, and transportation. Credit will not be awarded to students who have credit for MKT 315.

330 Principles of Transportation. (3) I. Prerequisite: MKT 300. Various forms of transportation and institutional factors influencing transportation decisions. Regulations, public policy, rate making, services, and the integration of transportation with other elements of business.

349 Cooperative Study in Transportation and Physical Distribution. (1-3) A. Prerequisites: minimum GPA 2.25 and BBA major only. Co-curricular work experience under faculty and field supervisors. Training plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit. May not count toward major.

430 Traffic Management. (3) II. Prerequisite: TPD 330. Industrial and carrier functions relating to buying/selling transportation services; legal duties; sources of information and tools available for solving transportation problems.

450 Transportation Law and Regulation. (3) I. Prerequisite: TPD 330. Evolution and development of federal and state laws in the transportation industry. Current regulatory environment affecting decision making for carriers and industry.

490 Special Problems in Transportation and Physical Distribution. (1-4) A. Prerequisite: advisor/departmental approval. May be retaken under different sub-topics to a cumulative maximum of six hours. Independent work, special workshops, special topics, or seminars related to transportation/physical distribution. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSE

890 Independent Study in Transportation and Physical Distribution. (1-4) A.

DEPARTMENT OF ECONOMICS

F. O'Connor, Chair; Dickey, F. Engle, Karns, Morrow, Payne, Shadoan, Sharp, Wang, Watkins, V. Wright, Wuilleumier.

The curriculum in economics is designed to provide students with both a solid understanding of modern economic analysis and the analytical and quantitative skills needed to be effective decision makers in the private or the public sector. Graduates of the curriculum are employed in business, government, and teaching. Graduates have also gone on to law school and graduate study.

A student may major in economics while pursuing one of the following degrees: (1) Bachelor of Arts degree in the College of Social and Behavioral Sciences; (2) Bachelor of Arts degree (Teaching); and (3) Bachelor of Business Administration degree in the College of Business. A minor in economics is available.

At least 12 of the hours in the major must be earned at Eastern Kentucky University. Students pursuing the Bachelor of Business Administration degree or the Bachelor of Arts Degree must make a grade of "C" or higher in all courses counted toward a major in economics. Students minoring in economics must make a minimum grade of "C" in all courses counting towards the minor.

Economics

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ..... 18 hours
ECO 221, 350, 351, 420, and six hours of approved upper division economic electives.
Business Core ..... 45 hours
Business Electives ..... 3-6 hours
Supporting Course Requirements ..... 3 hours
MAT 211 or equivalent.

General Education Requirements ..... **43 hours**
Standard General Education program, excluding course category 03. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **9 hours**
CBO 100 and eight hours of restricted electives.
Free Electives ..... **4-7 hours**
Total Curriculum Requirements ..... **128 hours**

In cooperation with the Department of Economics, the College of Social and Behavioral Sciences offers the Bachelor of Arts in Economics.

Economics

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **30 hours**
ECO 220, 221, 230, 231, 350, 351, 420, and nine additional hours of upper division courses in economics.
Supporting Course Requirements ..... **21-39 hours**
MAT 211 or equivalent. The other requirements will be determined by consultation between the Chair of the Department of Economics and the Dean of the College of Social and Behavioral Sciences.
General Education Requirements ..... **46 hours**
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **9 hours**
CSO 100 and eight hours of restricted electives.
Free Electives ..... **4-22 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN ECONOMICS

A minor in economics requires completion of the following courses with a minimum grade of "C" in each course and with at least nine of the upper division hours earned at EKU: ECO 230, 231, 350, 351, and six hours of upper division courses in economics.

In cooperation with the Department of Economics, the College of Social and Behavioral Sciences offers the Bachelor of Arts in Economics (Teaching). This major must be taken in conjunction with an approved major or minor.

The supporting major or minor must be approved by the Dean of the College of Social and Behavioral Sciences, the Chair of the Department of Economics, and the Chair of the Department of Curriculum and Instruction.

Economics (Teaching)

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **30 hours**
ECO 220, 221, 230, 231, 350, 351, 420, and nine additional hours of upper division courses in economics.
Supporting Course Requirements ..... **24-33 hours**
MAT 211 or equivalent; and a major or minor approved by the Dean of the College of Social and Behavioral Sciences, the Chair of the Department of Economics, and the Chair of the Department of Curriculum and Instruction.
Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 449, 498, and 499.
General Education Requirements ..... **46 hours**
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **9 hours**
CSO 100 and eight hours of restricted electives.
Total Curriculum Requirements ..... **137-146 hours**

MINOR IN ECONOMICS (TEACHING)

A minor in economics (teaching) requires completion of the following courses: ECO 230, 231, 350, 351, and nine additional hours of upper division courses in economics. A minimum grade of "C" is required in each course. The minor must be taken in conjunction with an approved teaching major.

Course Descriptions

ECO—Economics

120 Economics In a World Setting: Principles. (3) I, II. A general education economics course dealing with economic principles and theories in a world setting. Emphasis on understanding the role of the economic environment. Does not count toward the economics major. Gen. Ed. 09. Students who have completed or are enrolled in ECO 230 or 231 will not receive credit for ECO 120.

130 Contemporary Economic Problems. (3) I, II. A general education economics course dealing with such contemporary economic problems as unemployment, inflation, national debt, energy, health, pollution, education, crime, and protectionism. Does not count toward the economics major. Gen. Ed. 12. Students who have completed or are enrolled in ECO 230 or 231 will not receive credit for ECO 130.

220 Business Statistical Methods I. (3) I, II. Prerequisite: MAT 107. Business and economic applications of frequency distributions, measures of location, variation, probability, sampling, estimation, test of hypothesis, linear regression, index numbers, and time series analysis. Credit will not be awarded to students who have credit for COR 308 or ECO 824 or EPY 842 or HEA 450 or PAD 308 or PSY 291 or STA 208 or STA 215 or STA 270.

221 Business Statistical Methods II. (3) A. Formerly ECO 320. Prerequisite: ECO 220. Business and economic applications of sampling, probability, time series analysis, index numbers, simple linear regression, correlation, the chi-square, analysis of variance, multiple regression and correlation, and non-parametric statistics. Credit will not be awarded to students who have credit for ECO 854 or EPY 843 or PSY 301 or STA 271 or STA 500.

230 Principles of Economics I. (3) I, II. Microeconomic principles, including the study of opportunity cost, consumer and producer choices, market demand and supply, pricing and resource allocation, comparative advantage and international trade. Gen. Ed. 09.

231 Principles of Economics II. (3) I, II. Macroeconomic principles, including the study of measures of national economic performance, determinants of aggregate production, employment and prices, monetary and fiscal policy, balance of payments, economic growth and development. Gen. Ed. 12.

300 Managerial Economics. (3) I, II. Prerequisite: ECO 230. Economic concepts that are directly applicable to business decision making including cost and production, profits, demand and pricing, capital budgeting and investment, and forecasting.

304 Government and Business. (3) A. Prerequisites: ECO 230 and 231. Development of the historical relationships between private enterprise and society. Discussion and application of major theoretical tools available to analyze issues of business and society.

310 Big Business in Modern America. (3) A. Cross listed as HIS 310. Prerequisite: HIS 203 or ECO 230; or instructor approval. The growth of "big business" in America from the middle of the nineteenth century to the present; strategy and structure; multinational corporations; public policy. Credit will not be awarded to students who have credit for HIS 310.

324 Money and Banking. (3) I, II. Prerequisite: ECO 231. Functions of money, monetary systems, history of banking, functions of the commercial bank, bank assets and reserves, loans and discounts, bank supervision, the Federal Reserve System, central banking policies, monetary and fiscal policies.

330 Quantitative Methods in Accounting, Business, and Economics. (3) I, II. Prerequisite: ECO 220 or instructor approval. Probability, decision making, linear programming, game theory, inventory models, queuing models, transportation problems, simulation techniques. Credit will not be awarded to students who have credit for MGT 340.

333 Economics of Labor. (3) A. Prerequisites: ECO 230 and 231. History of the labor movement, union structure and government, collective bargaining, labor markets, governmental regulations and controls, current issues in labor relations.

349 Cooperative Study in Economics. (1-3) A. Prerequisite: minimum GPA 2.25. Co-curricular work experience under faculty and field supervisors. Training plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit hour. May not count towards major.

350 Intermediate Macroeconomic Theory. (3) I. Prerequisite: ECO 231. Analysis of aggregate economic activity; consumption, investment, employment, output, money and prices, exports and imports; stabilization policy.

351 Intermediate Microeconomic Theory. (3) II. Prerequisite: ECO 230. Analysis of consumer and producer behavior, market equilibrium, pricing and resource allocation under alternative market structures, risk aversion and information.

360 Consumer Economic Problems. (3) A. Analysis of how production and consumption choices are related to consumer welfare, including the study of consumer sovereignty, human capital, income distribution, taxation, and labor force participation.

365 Public Finance. (3) A. Prerequisite: ECO 230. Economics of the public sector, including the scope of and rationale for government, public goods and externalities, voting schemes and public choice, taxes and subsidies, and transfer payments.

394 International Economics. (3) I, II. Prerequisites: ECO 230 and 231. An introduction to international trade and investment theory emphasizing international business, international trade theory, trade and investment patterns, payments system, balance of payments, international companies, and international issues.

420 Econometrics. (3) A. Prerequisites: ECO 221 or equivalent, 230, and 231. Use of economic theory and statistics in the formulation, estimation, and testing of economic models. Applications in the analysis of consumer and producer behavior, markets, and macroeconomic relations.

430 Mathematical Economics. (3) A. Prerequisites: ECO 230, 231, and MAT 211. Mathematical formulations of economic theories. Models of the consumer, the firm, markets, economic growth, and business cycles.

432 Alternate Economics Systems. (3) A. Prerequisite: ECO 231. Capitalism, utopian forerunners, the Marxian theory of socialism and communism, modern socialism and communism. British socialism, the economy of the Soviet Union, Fascism, the consumer cooperative movement.

492 Business Cycles. (3) II. Prerequisite: ECO 231. Growth, instability, inflation, business cycle theories, spending and saving decisions, government expenditures and tax patterns, prices, output, and employment, historical cyclical patterns, economic forecasting.

520 Economic Thought and Philosophy. (3) II. Prerequisites: ECO 230 and 231. The evolution of economic ideas from the Mercantilist period until present. Relation of the various schools of economic thought to the development of market system philosophy.

560 Special Problems in Economics. (3) A. Prerequisite: advisor/departmental approval. Independent work, special workshop, special topics or seminar. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

570 Health Care Economics. (3) A. Prerequisite: ECO 230 or departmental approval. Introduction to health economics, including the study of the demand for and production of medical care, health care planning, regulation, finance and evaluation.

580 Natural Resource and Environmental Economics. (3) II. Prerequisite: ECO 230 or departmental approval. Economic tools used in the allocation of natural resources including: policy proposal criteria, resource allocation, conservation, the state's role, benefit-cost analysis, and environmental impact assessment.

590 Regional Economics. (3) A. Prerequisites: ECO 230 and 231; or departmental approval. Analysis of patterns of regional growth and development. Use of economic models for regional forecasting and policy evaluation; the problems of marginal areas in developed economies.

595 The Economics of Growth and Development. (3) A. Prerequisites: ECO 230 and 231. The measurement of underdevelopment, the international distribution of income, the causes of economic growth, public policy for the promotion of economic growth, theories of development.

GRADUATE COURSES

720 Economic Thought and Philosophy. (3) II.
760 Special Problems in Economics. (3) A.
770 Health Care Economics. (3) A.
780 Natural Resource and Environmental Economics. (3) II.
790 Regional Economics. (3) A.
795 The Economics of Growth and Development. (3) A.
807 Economics: ____. (1-3) A.
810 Economics for Teachers. (3) A.
822 Survey of Economics. (3) I.
824 Survey of Statistical Methods in Business and Economics. (3) I.
850 Managerial Economics. (3) II.
854 Advanced Statistical Applications. (3) A.
855 Contemporary Economic Issues: ____. (1-6) A.
860 Independent Study in Economics. (1-6) A.

DEPARTMENT OF

FINANCE AND BUSINESS SYSTEMS

V. Brewer, Chair; Alford, Bickum, Bodley, Carr, Gakpo, Gardner, Jones, Jordan, Kensicki, C. Lin, E. Lin, Loy, Patrick, M. Robinson, R. Robinson, Thompson.

The Department of Finance and Business Systems offers courses in computer information systems, finance, insurance, and real estate leading to the Bachelor of Business Administration degree.

The Department of Finance and Business Systems participates in the Master of Business Administration program. A detailed description of this program is presented in the *Graduate Catalog*.

COMPUTER INFORMATION SYSTEMS PROGRAM

Courses for the Bachelor of Business Administration in computer information systems focus on the information requirements of decision makers in all areas of business. The curriculum includes programming languages, in-depth analysis of business problems, decision tools and techniques, information flow analysis, systems design, and data base management.

The computer information systems (CIS) major consists of 21 hours of CIS courses above the business core. All work for the major must be completed with a grade of "C" or higher, 15 hours must be upper-level courses, and at least 12 of the hours in the major must be earned at Eastern Kentucky University.

Computer Information Systems

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ..... 21 hours
CIS 250, 355, 380, 435, 480, and six hours computer information systems electives above core.
Business Core ..... 45 hours
Business Electives ..... 3 hours
Supporting Course Requirements ..... 4 hours
MAT 107 or 211; and CSC 171.
General Education Requirements ..... 43 hours
Standard General Education program, excluding course category 03. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... 9 hours
CBO 100 and eight hours of restricted electives.
Free Electives ..... 3 hours
Total Curriculum Requirements ..... 128 hours

MINOR IN COMPUTER INFORMATION SYSTEMS

There is a minor in computer information systems for students in colleges other than the College of Business. The minor consists of 18 hours of computer information systems courses including CIS 250, 355, 380, 435, and six hours of upper division computer information systems courses or approved upper-division equivalent computer courses. At least 12 hours of the minor must be earned at EKU. Students pursuing the computer information systems minor must maintain a 2.25 GPA on all work counting toward the minor.

Course Descriptions

CIS—Computer Information Systems

212 Introduction to Computer Information Systems. (3) I, II. Introduction to computer hardware, software, and systems; management information systems and the role of the computer in business; spreadsheet, word processing, data base, and programming concepts. Gen. Ed. 03.

230 Business Applications of Microcomputers. (3) I, II. The application of microcomputers to business: record keeping, planning, scheduling, inventory control, financial analysis, and other business analyses for managerial decision making.

250 COBOL Programming. (3) I, II. Corequisite: CSC 171 or equivalent. Programming of business problems in COBOL; emphasizes structured program design and top-down coding and testing techniques.

265 Fundamentals of Unix for Business. (3) A. Fundamentals of the Unix Operating System from the business end-user perspective. Introduction to Unix shell programming for business applications. Introduction to Unix system administration in the business environment. Credit will not be awarded to students who have credit for CSC 209.

300 Management Information Systems. (3) I, II. Fundamentals of management information systems, MIS subsystems, the role of MIS in business, management of information resources, current trend and the future development in information processing and management.

349 Cooperative Study in Computer Information Systems. (1-3) A. Prerequisites: GPA 2.25 and BBA major, only. Co-curricular work experience under the direction of faculty and field supervisors. Training plan required. Normally limited to a maximum of six hours. Minimum 80 hours experience per credit hour. May not count toward major.

355 Advanced COBOL Programming. (3) I, II. Prerequisite: CIS 250. An in-depth study of COBOL syntax and its application to business data processing. Major topics are advanced reporting, subprograms, data validation programs, file maintenance programs including sequential, relative, and indexed files, interactive processing, and data base processing.

360 Computer Information Systems Internship. (2-4) A. Prerequisites: GPA of 2.25 and advisor/departmental approval. Practical experience in computer information systems.

365 "C" Programming in Business. (3) II. "C" Programming with emphasis on business applications. Include control statements, functions, arrays, pointers; input/output, and files. Credit will not be awarded to students who have credit for CSC 209.

370 Seminar in Computer Information Systems. (1-3) A. Prerequisite: instructor approval. Selected topics of special and contemporary interest to business students. May be retaken under different subtitles to a maximum of six hours.

375 Fundamentals of Telecommunication. (3) A. Prerequisite: a programming language course. Fundamental concepts, definitions, and theory of modern telecommunication, the role of standards and protocols, point-to-point transmission control, current transmission media, types of carriers, network architecture and configurations, telecommunication hardware and software, major management and technological issues.

380 Systems Development. (3) I, II. Prerequisite: CIS 250. Overview of the information systems development life cycle; use of structured tools/techniques for systems development with the emphasis on systems analysis and conceptual design; information and reporting activities; transition from conceptual design to physical design.

435 Data Base Management. (3) I, II. Prerequisites: six hours CIS including CIS 250. Basic concepts of data base systems. Coverage includes data structure, file organization, data base models, and use and design of data bases.

436 Advanced Data Base Management. (3) II. Prerequisite: CIS 435. An in-depth study of data base management with an emphasis on data base analysis and design. Coverage includes normalization of data, data modeling, semanic modeling, data base design methodologies, and relational data base design and implementation.

476 Decision Support and Expert Systems. (3) I. Prerequisites: CIS 380 and 435. Course focus is on design, development, implementation, and contribution of DSS and ES to management planning, decision making, and control. Students will design and validate model-based DSS, data based DSS, and expert systems to aid managerial problem solving.

480 Information Systems Design and Implementation. (3) I, II. Prerequisites: CIS 380 and 435. Strategies and techniques of structured analysis and design of information systems; application of computer programming and system development concepts and principles to a comprehensive system development project: analysis, design, and implementation.

490 Special Problems in Computer Information Systems. (1-4) A. Prerequisite: advisor/departmental approval. Independent study in information systems. May be retaken under different sub-topics to a maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSES

850 Information Systems. (3) II.

860 Contemporary Topics in Information Technology. (3) A.

870 Management of Information Systems. (3) A.

890 Independent Study in Computer Information Systems. (1-4) A.

FINANCE PROGRAM

Finance may be viewed as containing three specialized fields: corporate finance, investment finance, and financial institutions. The Bachelor of Business Administration degree in finance is designed to give students broad knowledge in all three areas of finance. An in-depth knowledge in one of the areas can be obtained by careful selection of finance electives.

Graduates are equipped with the qualifications necessary to enter a finance career in corporations, banks, investment firms, government agencies, savings and loan associations, franchise operations, and other organizations.

The finance major consists of 18 hours above the business core. The student must complete all courses offered within the major with a grade of "C" or higher. At least 12 hours in the major must be earned at Eastern Kentucky University.

Finance

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ..... 18 hours
FIN 304, 324, 400, and nine hours finance above core (must complete FIN 400 in first nine finance hours above the core). Appropriate courses to be determined after consultation with finance faculty.

Business Core ..... 45 hours

Supporting Course Requirements ..... 9 hours
MAT 107 or 211; ECO 221, and three hours from RST 310, 320, 330, INS 370, 372, 374, 376, ACC 300, 301, ECO 300, 324, 350, 351, or 394. (Accounting and economics courses taken to fulfill the supporting course requirements are in addition to those taken to fulfill the business core requirements.)

General Education Requirements ..... 43 hours
Standard General Education Program, excluding course category 03. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
CBO 100 and eight hours of restricted electives.

Free Electives ..... 4 hours

Total Curriculum Requirements ..... 128 hours

Course Descriptions

FIN—Finance

201 Personal Money Management. (3) I, II. A consumer approach to insurance, family budgeting, income taxes, elementary investment principles, and estate planning. Does not count toward the major in finance or general business. Credit will not be awarded to students who have credit for HEC 352.

300 Business Finance. (3) I, II. Prerequisites: ECO 220 and ACC 202. Financial principles and functions with applications to business organizations, including time-value of money, investment, dividend decision, capital structure; models and tools used for financial analysis.

304 Financial Institutions. (3) I, II. Prerequisite: FIN 300. A survey of the evolution of financial institutions, including the impact of regulation and deregulation.

324 Investments. (3) I, II. Prerequisite: FIN 300. Characteristics of bonds, stocks, securities market, investment banking. Sources of investment information; analysis of securities; and efficient market theory.

330 International Finance. (3) A. Prerequisite: FIN 300. Financial decision-making processes of multinational corporations. Flow of funds; exchange rate determination and forecasting; currency futures and options; international arbitrage; measurement and management of exchange rate exposure; multinational capital budgeting; analysis of country risk.

349 Cooperative Study in Finance. (1-3) A. Prerequisites: minimum GPA 2.25 and BBA major only. Co-curricular work experience under the direction of faculty and field supervisors. Training plan required. May be retaken to a maximum six hours. Minimum 80 hours experience per credit hour. May not count toward major.

400 Intermediate Finance. (3) I, II. Prerequisites: FIN 300, MAT 211, and ECO 221. Working capital management; capital asset pricing model and its application to capital budgeting; valuation of the firm and cost of capital; long term financing to include leasing, mergers, and liquidations; international financial management.

403 Working Capital Management and Capital Budgeting. (3) I. Prerequisites: ECO 221 and FIN 400. In-depth theory and decision tools for working capital management and capital budgeting. Topics include cash management, negotiating lines of credit, accounts receivable management, cost of capital, capital budget proposal presentation, long term financing.

404 Advanced Financial Management. (3) II. Prerequisites: ECO 221 and FIN 400. An in-depth examination of the financial management of the firm. Cases on the financing decision, the investment decision, and the dividend decision within the context of the capital asset pricing model.

408 Bank Management. (3) II. Formerly FIN 308. Analysis of commercial banks and thrifts; asset and liability maturity analysis, reserve management, credit analysis, investment policies, and capital requirements.

414 Advanced Financial Institutions Management. (3) II. Prerequisite: FIN 304. An extension of FIN 304, but in more detail concerning the role of financial institutions in the economy. Major topics include money markets, financial institutions management, asset analysis and investment and loan policies.

420 Modern Portfolio Theory. (3) I. Prerequisites: FIN 324 and ECO 221. Portfolio selection, analysis and revision, efficient markets theory, computer analysis of financial assets and portfolios of assets.

421 Investment Analysis. (3) II. Prerequisite: FIN 324. Analysis of publicly held securities, options, futures, and index options. Role of capital asset pricing model, stochastic dominance, time-state preference model, arbitrage, hedging and speculation.

450 Seminar in Finance. (1-3) A. Prerequisite: instructor approval. Selected topic of special and contemporary interest to business students. May be retaken under different subtitles to a maximum of six hours.

455 Global Financial Management. (3) A. Prerequisites: FIN 304, 324, and 400. Advanced global dimensions of corporate finance including working capital, capital budgeting, and international borrowing for multinational companies. Case studies of international capital markets, international financial institutions, foreign exchange risks, and international portfolio diversification.

490 Special Problems in Finance. (1-4) A. Prerequisite: advisor/departmental approval. May be retaken under different sub-topics to a maximum of six hours. Independent work, special workshops, special topics, or seminars. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSES

820 Managerial Finance. (3) I.
850 Problems in Managerial Finance. (3) II.
851 Seminar in Investments. (3) I.
854 Financial Markets and Institutions. (3) A.
890 Independent Study in Finance. (1-4) A.

INSURANCE PROGRAM

The objective of the Bachelor of Business Administration degree in insurance is to provide students with a basic knowledge in all areas of insurance so that they can pursue a career in any of the broadly diversified opportunities available in this profession. The insurance industry includes opportunities in finance, accounting, data processing, actuarial science and statistics, marketing, management, engineering, and various other disciplines as well as the more specialized insurance functions of underwriting, ratemaking, and claims handling. In every case, however, the successful career path in insurance requires a working knowledge of all facets of insurance including life, health, property-liability insurance, employee benefits, and risk management.

The insurance courses are designed to be useful for all students, regardless of their primary field of study. These courses are also designed to help the student become a more knowledgeable and sophisticated insurance consumer. INS 370 or 372 can be used to meet the state 40-hour education requirement prior to taking the Kentucky General Lines Agents Licensing Examination. INS 374 meets the same requirements for the Kentucky Life-Health Agent Examination.

The insurance major consists of a minimum of 15 credit hours of insurance. The insurance major is required to take INS 370 prior to taking any other insurance course. All courses submitted toward the major must be completed with a grade of "C" or higher. At least 12 of the hours in the major must be earned at Eastern Kentucky University.

Insurance

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ..... 18 hours
INS 370, 372, 374, and nine additional hours at the 300 level or above. The nine additional hours may include INS 376, 378, 380, 400, 474, 490, or a maximum of three hours of 300-400 level finance or real estate.
Business Electives ..... 6 hours
Business Core ..... 45 hours
Supporting Course Requirements ..... 3 hours
MAT 107 or 211.
General Education Requirements ..... 43 hours
Standard General Education program, excluding course category 03. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... 9 hours
CBO 100 and eight hours of restricted electives.
Free Electives ..... 4 hours
Total Curriculum Requirements ..... 128 hours

Course Descriptions

INS—Insurance

349 Cooperative Study in Insurance. (1-3) A. Prerequisites: GPA 2.25 and BBA majors only. Co-curricular work experience under the direction of faculty and field supervisors. Training plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required per credit hour. May not count toward major.

370 Principles of Risk and Insurance. (3) I, II. Theory and practice of insurance and its economic and social significance; basic life, health, and property-liability insurance for businesses and families; review of the major lines of insurance.

372 Fundamentals of Property-Liability Insurance. (3) A. Prerequisite: INS 370 or instructor approval. Planning and evaluating individual and business firm property-liability insurance; analysis of insurance coverage against pure risk related to property-liability insurance exposure.

374 Fundamentals of Life and Health Insurance. (3) A. Prerequisite: INS 370 or instructor approval. Analysis of life insurance and annuity products available in the individual market. Includes a discussion of systems for determining the individual's life insurance needs.

376 Employee Benefit Planning. (3) A. Prerequisite: INS 370 or instructor approval. Employee benefit plans including taxation, costs, and choices of funding. Includes an analysis of the role of employee benefit plans in meeting the risks of death, illness, and old age.

378 Business Risk Management. (3) A. Prerequisite: INS 372 or instructor approval. Risk management as used by the business firm; basic functions of risk management; risk management decision-making as a corporate buyer of insurance.

380 Personal Risk Management. (3) A. Prerequisite: INS 370 or instructor approval. An intensive examination of personal loss exposures and their treatment. Emphasized is the use of risk management techniques. Topics include personal automobile, property, premature death, illness, accidental injury, superannuation, investment risks, and estate planning. Social and private insurance treatments are included as well as other risk management techniques.

382 Commercial Property Risk Management and Insurance. (3) A. Prerequisite: INS 370 or instructor approval. This course is an in-depth analysis and measurement of commercial property loss exposures and the insurance coverages designed to meet those exposures. Commercial property, boiler and machinery, commercial crime, inland and ocean marine, business owners, farm policies, and a variety of miscellaneous property insurance forms are discussed, along with related risk management techniques. It will prepare the student for the CPCU 3 examination administered by the American Institute for Property and Liability Underwriters leading to the professional designation, CPCU.

384 Commercial Liability Risk Management and Insurance. (3) A. Prerequisite: INS 370 or instructor approval. This course analyzes the major sources of liability loss exposures, applicable controls, and the insurance coverages designed to meet those exposures. General liability, employers liability, workers compensation, auto liability, professional liability, and a variety of miscellaneous liability coverages and loss-financing measures are discussed in addition to surety bonds. A survey case includes material on commercial property risk management and insurance. It will prepare the student for the CPCU 4 examination administered by the American Institute for Property and Liability Underwriters leading to the professional designation, CPCU.

386 Insurance Company Operations. (3) A. Prerequisite: INS 370 or instructor approval. This course examines insurance marketing, underwriting, reinsurance, ratemaking, claims adjusting, loss control and other insurer activities. It will prepare the student for the CPCU 5 examination administered by the American Institute for Property and Liability Underwriters leading to the professional designation, CPCU.

388 Insurance Agency Operations. (3) A. Prerequisite: INS 370 or instructor approval. This course examines the operations of a unique small business, the insurance agency. It will apply material used in other courses such as management, marketing, accounting, finance, and insurance. These business administration principles will be distilled into components that may be applied to the operation of an insurance agency. This course will prepare the student for one part of the Accredited Adviser in Insurance (AAI) specialty designation awarded by the Insurance Institute of America.

400 Seminar in Insurance. (1-3) A. Prerequisite: instructor approval. Selected topics of special and contemporary interest to business students. May be retaken under different subtitles to a maximum of six hours.

474 Life Insurance and Estate Planning. (3) A. Prerequisite: INS 374 or instructor approval. Role of life and health insurance in family estate planning; considerations of developing an estate plan for the individual or the family.

490 Special Problems in Insurance. (1-3) A. Prerequisite: advisor/departmental approval. May be retaken under different sub-topics to a maximum of six hours. Independent work, special workshops, special topics, or seminars. Student must have the independent study course proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSES

876 Employee Benefit Planning. (3) A.
878 Business Risk Management. (3) A.
890 Independent Study in Insurance. (1-4) A.

REAL ESTATE PROGRAM

The real estate curriculum is planned to provide the academic background in real estate which is required today by the complexities inherent in an era of population, environmental, economic, and governmental pressures. The Bachelor of Business Administration degree in real estate is designed for those who wish to concentrate in one of the real estate specialties such as brokerage, marketing, appraisal, finance, research, property management, or development.

The real estate major consists of 21 hours above the business core. At least 12 hours of the major must be earned at Eastern Kentucky University. Transfer hours are subject to approval by the Chairholder of Real Estate.

All courses in the real estate curriculum satisfy the educational requirements for a sales or broker's license (KRS 324.046) in the Commonwealth of Kentucky.

Real Estate

MAJOR (BACHELOR OF BUSINESS ADMINISTRATION)

Major Requirements ..... 21 hours
RST 310, 320, 325, 330, 340; 400 or 410; plus three hours real estate electives to be determined in coordination with advisor.
Business Core ..... 45 hours
Business Electives ..... 3 hours
Suggested electives include ACC 300, 322, ECO 360, MKT 320, or PLA 220.
Supporting Course Requirements ..... 6 hours
MAT 107 or 211; and INS 370.
General Education Requirements ..... 43 hours
Standard General Education program, excluding course category 03. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... 9 hours
CBO 100 and eight hours of restricted electives.
Free Electives ..... 1 hour
Total Curriculum Requirements ..... 128 hours

Course Descriptions

RST—Real Estate

110 Fundamentals of Real Estate for the Consumer. (3) I. Introduction to the elements of real property ownership, law, and leasehold interests. Will not apply toward real estate major requirements.

130 Financing Real Estate for the Consumer. (3) II. Methods of financing the personal acquisition of real property: conventional mortgages, FHA and VA loans, and contemporary creative financing methods. Investment and shelter techniques in the purchase of investment property. Will not apply toward real estate major.

240 Fundamentals of Real Estate Appraisal. (3) A. Prerequisites: RST 110 and 130; real estate licensure; or instructor approval. Principles and techniques of real property valuation, with special emphasis on residential (1-4 family) properties. Will not apply toward real estate major requirements.

310 Real Estate Principles. (3) I, II. Procedures involved in ownership and transfer of real property; laws governing real estate transactions.

320 Real Estate Law. (3) I, II. Businessperson's point view of real estate instruments, property rights and liabilities, estates, and interest and liens.

325 Computer Applications in Real Estate. (3) I. Prerequisite: RST 310 or 320. Computer applications in the real estate business. Construction and use of spreadsheet and data base programs in the analysis of real estate finance and feasibility studies.

330 Real Estate Finance. (3) A. Prerequisites: RST 310 and FIN 300; or instructor approval. Sources of funds for financing real estate transactions; financial instruments that are used and problems encountered in financing real property.

340 Appraisal of Residential Property. (3) A. Prerequisites: RST 310 and 330; or instructor approval. Fundamentals of appraising real property; approaches to determining value; factors that contribute to the value of real estate.

349 Cooperative Study in Real Estate. (1-3) A. Prerequisites: junior, minimum 2.25 GPA, and BBA majors only. Co-curricular work experience under the direction of faculty and field supervisors. Training plan required. May be retaken to a maximum of six hours. Minimum 80 hours experience per credit hour. May not count toward major.

350 Real Estate Marketing. (3) I. Prerequisite: RST 310 or instructor approval. Factors in marketing residential, business, industrial, and farm property, such as listing, prospecting, advertising, showing, determining the need of the client, qualifying clients, and closing the sale.

351 Real Estate Research and Feasibility Analysis. (3) A. Prerequisite: RST 310. Analysis of target markets, media demography, advanced real estate advertising techniques, and marketing feasibility studies. Housing formats include single family, planned unit development, mixed development, condominiums, and rental residential developments.

355 Real Estate Property Management. (3) A. Prerequisite: RST 310. Administration, marketing, and evaluation of residential and commercial income properties; interaction with development and construction firms.

400 Real Estate Administration. (3) II. Prerequisites: senior standing plus 15 hours RST. Establishment and operation of administrative functions in the real estate office: staff recruitment, training and evaluation; establishment of policies and practices; professional ethics; State and Federal legal requirements.

410 Income Property Valuation/Investment. (3) A. Prerequisites: senior standing plus 15 hours RST including RST 340. Real estate income property cash flow statements and valuation; investment analysis and decisions; operation of trusts; syndications; partnerships and corporations as a basis for real estate investment; selection and evaluation of real property investment portfolios.

450 Seminar in Real Estate. (1-3) A. Selected topics of special and contemporary interest to business students. May be retaken under different subtitles to a maximum of six hours.

490 Special Problems in Real Estate. (1-3) A. Prerequisite: advisor/departmental approval. May be retaken under different sub-topics to a maximum of six hours. Independent work, special workshop, special topics, or seminars. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSE

890 Special Problems in Contemporary Real Estate. (3) A.

COLLEGE OF EDUCATION

KENNETH T. HENSON, DEAN

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Eastern Kentucky University has maintained a strong interest in and commitment to the preparation of teachers since its founding in 1906 and is dedicated to the preparation of teachers to function effectively in a culturally diverse society in order to meet the needs of all students. While teacher education at Eastern is viewed as an all-university function, the programs of communication disorders, early elementary education (K-4), hearing impaired, middle grade education (5-8), and special education are located and advised in the College of Education. Secondary teaching programs are located in their respective colleges with students receiving academic advisement from the college of their major and educational counseling in the College of Education.

ADMISSION TO THE COLLEGE OF EDUCATION

Admission to the College of Education is not synonymous with admission to the teacher education program.

Upon admission to the College of Education, students are assigned an advisor by their department chair. Students must enroll in Academic Orientation, EDO 100, during the first semester. Professional Laboratory, EDF 102, should be taken during the freshman year. However, it is recommended that students not enroll in EDF 102 if they are enrolled in a developmental course.

TEACHER EDUCATION PROGRAMS

The curricula offered by the University have been planned and developed to meet the needs of students who desire to become teachers, principals, supervisors, superintendents, attendance officers in the public schools, guidance counselors, and speech-language pathologists. Curricula are offered for the preparation of early elementary teachers (K-4) and middle grade teachers (5-8); for teachers of art, biology, business education, chemistry, computer science/mathematics, earth science, economics, English, French, geography, German, health education, history, home economics education, mathematics, mathematics/physical science, music, physical education, physics, political science, psychology, science, sociology, Spanish, special education, speech and theatre arts, and technology education; and technical subjects in vocational schools.

Students completing programs in the College of Education are eligible for the Bachelor of Science degree.

POLICIES

Retroactive Permission—Students should not ask for retroactive permission.

Credit for Transfer Work—Allowance of transfer credit by the Office of Admissions does not necessarily mean that all such credit will be applied toward admission to teacher education and a degree from the College of Education. Therefore, students should read and follow closely the transfer credits/courses section in Part Three of the *Catalog*.

Credit for Transient Work—Undergraduate students or students pursuing initial certification in programs housed in the College of Education who wish to take course work at another higher education institution must have *prior* written approval from their advisor, their chair, and the Dean of the College if they wish to apply that credit to their degree program. Students must be in good academic standing at Eastern Kentucky University with an overall grade point average (GPA) of at least 2.5 to be considered to take a course at another university.

Overload—In the College of Education, overloads are discouraged and must be approved by the dean. Requests for overloads must contain the student's overall GPA and the number of hours being attempted, including those to be taken at other higher education institutions or through correspondence. An overall GPA of at least 3.0 is required by the College of Education to be considered to take an overload.

Correspondence Course—Students majoring in the College of Education are discouraged from burdening their schedules by taking correspondence courses. To be accepted into their programs, such courses must have the dean's approval *before* they are taken. An overall GPA of at least 3.0 is required by the College of Education to be considered to take a correspondence course.

Student Teaching—Since student teaching is especially demanding, students are not allowed to take any other courses (including correspondence and transient courses) while student teaching. Students are reminded that credit for unfinished correspondence course(s) will not be allowed during the student teaching semester.

REQUIREMENTS

General University requirements described on page 25 in Part Three of this *Catalog* and specific course requirements set forth in the description of curricula, must be met by students completing

associate and baccalaureate programs administered by the College of Education (see programs under each department for major and minor requirements). Specific requirements for each degree are found in the appropriate department presentation. The Academic Orientation course, EDO 100, is common to all programs.

In addition to the general University requirements, requirements for the College of Education are as follows:

Credits—To be applied to degree programs credits more than eight years old must be validated by the dean.

Planned Curriculum—Each student must make application for a planned curriculum upon admission to the College of Education. Students who are in teaching programs will initiate their applications for a planned curriculum while enrolled in EDF 202/300. Students in non-teaching programs (special education and communication disorders) must apply for a planned curriculum in the office of the chair of their major department and/or the office of the dean. Any change in the planned curriculum must be approved by the student's advisor, the department chair, and the Dean of the College. The student's planned curriculum must reflect these changes. Changes approved verbally by phone or otherwise will not be honored unless the planned curriculum is officially altered to reflect such approval.

It is the student's responsibility to register for the proper courses so that all requirements are satisfied at the time of expected graduation. Completion of all course work on the student's planned curriculum is required for graduation.

Residency Requirements—A candidate for a degree must have been in residence a minimum of 36 weeks and must have earned a minimum of 32 hours while in residence. Students who are completing baccalaureate degree programs which include teacher certification and students readmitted after a one year absence from the University must have 30 of the last 36 hours in the program, exclusive of student teaching (ELE 499, EMG 499, ESE 499, SED 499), awarded by Eastern Kentucky University.

Application for Graduation—Students must file an application for graduation in the Office of the Dean. May and August graduates must file an application during the preceding October; December graduates must file an application during the preceding April.

Exams—Prior to graduation, students must satisfactorily complete competency examinations and take the National Teachers Examination (NTE).

Certification—Applications for teacher certification should be filed in the Office of Student Services prior to graduation as follows: May graduates by April 1; August graduates by July 1; December graduates by November 1. Applications for certification are not processed until all requirements are met.

Secondary Education Majors—Secondary education majors (other than special education) will follow the prescribed curriculum and requirements of another academic college and the policies for teacher education stated elsewhere in this *Catalog.* The College of Education cooperates closely with the other colleges in matters pertaining to admission to teacher education and student teaching.

Student Services
Teacher Admission and Certification

P. Wirtz, Director

This office is responsible for the admission of students to teacher education programs at Eastern. In addition, it processes certification applications for teachers and school personnel (principals, supervisors, superintendents, counselors, pupil personnel directors, business administrators, and librarians).

ADMISSION TO TEACHER EDUCATION

All students seeking teacher certification, regardless of the college in which they are enrolled, must meet the requirements for admission to teacher education and complete an approved teaching curriculum in order to be approved for certification.

Students are advised to enroll in EDF 102, Professional Laboratory, during their freshman year and in EDF 202, Professional Orientation, during their sophomore year. Application for admission to teacher education will be processed after completion of EDF 202/300. Transfer students who have had a course equivalent to EDF 202 at another institution should enroll in EDF 300, Orientation to Teacher Education, in lieu of EDF 102/202, during their initial semester at Eastern.

The Teacher Education Admissions Committee reviews applications and takes appropriate action concerning the student's admission to the teacher education program. Admission is based upon completion of 60 semester hours (excluding 090 level courses) and based on the following criteria:

A. Residence

Completion of 12 hours of credit at Eastern Kentucky University.

B. GPA (Grade Point Average) and Grade Requirements

A minimum overall 2.5 GPA (4.0 scale) in all undergraduate course work and a minimum overall 2.5 in college work at Eastern. This includes an "S" grade in EDF 102/300 and a grade of "C" or better in EDF 202, ENG 101, and ENG 102 (or their equivalents).

Undergraduate degree students' GPA's are based on the hours attempted as shown on the official Eastern transcript.

Post degree certification students' GPA's are based on all undergraduate course work and on the hours attempted as shown on the official Eastern transcript.

C. ACT (American College Testing)

ACT score on file at the University.

Required Scores

OLD TEST (Prior to August 1989). Composite of 19 with subscores of 17 in Mathematics and English.

NEW TEST (Beginning August 1989). Composite of 21 with subscores of 19 in Mathematics, English, and Reading.

Students whose ACT scores are below the required level may be admitted to the Teacher Education Program by satisfactorily completing the CTBS.

D. CTBS (Comprehensive Test of Basics Skills)

All students must take the most current edition of the CTBS. Students with less than the required ACT scores may qualify for admission if they attain the minimum CTBS scores established by the State Department of Education:

811 on spelling
780 average on language
795 average on reading comprehension and vocabulary
805 average on mathematics concepts and computation

Students may remediate and retake a failed part or parts of the CTBS only once.

E. Examinations taken in EDF 102/300

Satisfactory results on examinations taken in EDF 102/300 or other examinations which may be required by the Admission Committee.

Proficiency in oral and written communication including evidence of satisfactory speech and hearing.

Students scoring below minimum requirements on these tests shall be required to improve their competencies to an acceptable level before admission to teacher education. This may include therapy, tutoring, and enrollment in credit or noncredit remediation courses.

Any hearing impaired student unable to pass the speech and hearing screening who can benefit from remediation should receive it. Documentation concerning remediation and com-

munication competency (oral or manual) must be provided to the Speech and Hearing Clinic. The Clinic in consultation with faculty of the Hearing Impaired Program will submit a recommendation to the Office of Student Services for consideration for admission. This should include documentation of communication competence.

F. UWR (University Writing Requirement)
Satisfactory performance on the University Writing Requirement.

G. Computer Literacy
One of the following:
1. CSC 104 with a grade of "C" or better
2. CIS 212 with a grade of "C" or better
3. Demonstrate proficiency on a computer literacy test.

Students who fail the test may remediate and arrange to re-test once in the Office of Educational Research and Evaluation. After failing the test twice, a student must enroll in CSC 104 or CIS 212 and make a "C" or better.

H. Recommendations
Satisfactory recommendations from four Eastern faculty members, including the EDF 102 instructor, EDF 202/300 instructor, and the advisor or a faculty member in the major.

I. Interview
All students seeking admission to teacher education must be interviewed for admission during the semester in which they are enrolled in EDF 202 or 300.
1. Interviews are to be conducted by at least two faculty members one of whom should be the advisor and/or other member of the department in which the student is a major.
2. The interviewers will recommend that the student be admitted or that an additional interview be conducted by the Admissions Committee.
3. A standard interview procedure will be followed.
4. An "Interview Week" will be scheduled each semester.

J. Student Behavior
Students must have no physical or psychological impairments that would preclude teaching success.

Students must demonstrate acceptable social behavior at the University and in the community-at-large.

If, after admission to the Teacher Education Program, a student is placed on either academic or social probation, the admission may be reevaluated.

Educational Research and Evaluation

R. Byrne, Director

This office performs several major functions. It provides a central location for the collection and summary of statistical information relevant to quality control of the Teacher Education Program. The director coordinates the selection, administration, and analysis of measurement instruments used in the admission to the teacher education process and also those instruments appropriate for evaluating students during the professional semester. This office regularly conducts follow-up studies of graduates of the Teacher Education Program. It also helps faculty and students identify research hypotheses, formulate procedures, analyze data, and disseminate information.

Professional Laboratory Experiences

D. Rush, Director

This office is responsible for the organization and administration of all professional laboratory experiences relating to the Teacher Education Program of the University. This includes location and approval of teaching centers; assignment, supervision, and evaluation of students in a learning environment; and serving as liaison with public schools in all matters related to practicum experiences of students in teacher education programs.

The Office of Professional Laboratory Experiences receives and evaluates all applicants for student teaching, determines appropriate disposition of the application and provides continuous assessment of the applicant's pre-teaching and teaching experiences during the professional semester.

This office recognizes that cultural diversity is a fact of American life and teachers function in a pluralistic cultural environment. Experience in multi-cultural settings provides valuable enrichment for the proper development of effective teachers. This philosophy will guide the student assignments.

ADMISSION TO STUDENT TEACHING

Students are advised that they are not allowed to take any other courses (including correspondence and transient courses) while student teaching. Students are reminded that credit for unfinished correspondence courses will not be allowed during the student teaching semester.

Students of senior standing (90 hours or more) may enroll in student teaching if they have satisfied the following requirements:

A. Admission
All students must be admitted to the Teacher Education Program at least one term prior to the semester when they apply to student teach. (Effective Spring 1994).

B. Application for Student Teaching
All students must file an application during the first four weeks of the semester prior to the term in which student teaching is desired. Any application filed is evaluated and processed for approval or disapproval. This appraisal will specifically examine:
1. A valid medical examination, including a current tuberculosis test. Any significant deviation from normal physical and psychological well-being will be referred to a proper examining physician.
2. Behavior that relates to the moral, ethical, social, and personal standards of professional competency. The student's comportment will be subject to review and appraisal by the department responsible for the student teaching recommendation and the College of Education.
3. Each applicant must file a completed planned curriculum with the Dean of the College of Education prior to final approval for student teaching.

C. Residence
A minimum of 12 semester hours of on-campus residence at Eastern is required prior to admission to student teaching.

D. Completion of Program Requirements for Student Teaching
All prerequisites in professional education and pre-student teaching curricula in the applicant's area as prescribed by this *Catalog* must be completed.

E. Recommendations

Recommended by the student's advisor and approved by the department chair.

F. All Programs

Students must attain a minimum 2.5 GPA (4.0 scale) in:

1. Overall undergraduate course work
2. EKU course work
3. Teaching major(s), minor(s), area(s) of academic emphasis, and certification endorsement(s)

Undergraduate degree students' GPA's are based on the hours attempted as shown on the official Eastern transcript.

Post degree certification students' GPA's are based on all undergraduate course work and on the hours attempted as shown on the official Eastern transcript.

Early Elementary (K-4) & Middle Grades (5-8)

Standing of at least a 2.5 GPA in the overall, methods courses, and in areas of academic emphasis with a grade "C" or better in methods courses, support courses, and courses in the areas of academic emphasis in the K-4 and 5-8 programs.

Standing of at least 2.5 GPA in professional education: EDF 202, 317, EPY 318, 412, and SED 400.

Other requirements as found in the appropriate department presentation.

Special Education

Standing of at least a 2.5 GPA in the overall, with a grade of "C" or better in special education requirements (core and specialization), elementary education/middle grades requirements (methods and other courses listed), supporting course requirements, and teacher education requirements.

A 2.5 GPA with a grade of "C" or better in courses in the area of academic emphasis (special education with certification in middle grades 5-8).

Standing of at least 2.5 GPA in professional education: EDF 202, 317, and EPY 318.

Communication disorders majors should see their advisor for information related to admission to student teaching.

Other requirements as found in the appropriate department presentation.

Secondary Majors

Standing of a minimum overall 2.5 GPA.

Standing of at least 2.5 GPA in professional education courses: EDF 202, 317, EPY 318, and ESE 498.

A passing grade in EDF 102/300 with a grade of "C" or better in EDF 202, 317, EPY 318, and ESE 498.

A grade of "C" or above in all methods courses.

Other requirements as found in the appropriate department presentation.

EDO—Education Orientation

100 Academic Orientation. (1) I. Designed to orient the student to university academic life and afford background for career choice and preparation. Included are University regulations and calendar, catalog details, registration and preregistration, various career opportunities, and program requirements. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned.

GRADUATE COURSE CREDIT

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart.

Model Laboratory School

B. Bonar, Director; J. Vance, Assistant Director; Adkins, Alexander, Allen, Ambrose, Baum, Brown, Carter, Combs, Cyrus, Daniel, Daugherty, Edwards, Gallicchio, Galloway, Gevedon, Giacchini, Henrickson, Heyer, Hite, Hoffmann, Isaacs, Jacobs, Kiper, Lane, Lichty, Martin, McCreary, McIlvain, Mills, Newbury, Reynolds, Roberts, Shuttleworth, Sims, Stephens, Strange, Terango, Titus, Wallace.

Model Laboratory School is operated as a department in the College of Education to fulfill several basic purposes: (1) to provide quality and innovative education for its students, N-12; (2) to provide pre-service education for prospective teachers in the College; (3) to serve as an experimental testing ground for curriculum development and dissemination; (4) to provide a setting for research; and (5) to provide in-service education for area school systems.

Organized into three sections (early childhood/elementary, middle school, high school), the school serves approximately 725 students and employs a full-time staff of 41 faculty. Model is located on the campus of Eastern Kentucky University in the Donovan Building which was first occupied in 1961.

DEPARTMENT OF

ADMINISTRATION, COUNSELING, AND EDUCATIONAL STUDIES

E. White, Chair; Beardsley, Chapman, Clawson, Courtney, Doak, Grise, Hinton, Hume, Lawrence, Ogden, Rush, Sexton, Stockburger, Strong, Swan, Swezig.

The Department of Administration, Counseling, and Educational Studies offers graduate degrees in the areas of educational administration and counseling. It also offers graduate non-degree certification and Sixth Year Rank I programs in these areas. The area of educational studies provides undergraduate and graduate courses in the foundations of education to all degree programs. The area of counseling also provides undergraduate and graduate courses needed in other departments of the College of Education and other colleges of the University.

EDUCATIONAL ADMINISTRATION

P. Lawrence, Program Coordinator

Educational administration offers a graduate program of specialization for those students who wish to become school superintendents, supervisors of instruction, early elementary school principals, middle grade school principals, secondary school principals, and school business administrators. The Specialist in Education degree in educational administration and supervision is also available. For additional information regarding these programs contact the departmental chair or consult the *Graduate Catalog*.

Course Descriptions

EAD—Educational Administration

568 Administration and Organization of Physical Education. (2) I, II. Policies and procedures of administration on the elementary and secondary school level. Emphasis on construction and care of facilities, equipment and supervision of personnel.

GRADUATE COURSES

768 Administration and Organization of Physical Education. (2) I, II.
800 Introduction to Educational Administration. (3) I, II.
801 School Personnel Administration. (3) A.
802 School Buildings and Grounds. (3) I.
803 School Finance. (3) II.
804 The Middle School Principal. (3) II.
805 School Law. (3) I, II.
806 The Elementary School Principal. (3) I.
807 Educational Administration and Supervision. (1-3) A.
809 The Secondary School Principal. (3) II.
811 Supervision of Instruction. (3) I, II.
821 Practicum in Administration and Supervision. (3) A.
824 Seminar in Administration and Supervision. (3) I.
825 The Role of the Supervisor in Physical Education. (3) A.
840 The Superintendency. (3) II.
888 Advanced Seminar in Administration and Supervision. (3) II.
891 Issues and Trends in Educational Administration and Supervision. (3) A.
897 Independent Study. (1-3) A.
898 Project Development. (3) A.
899 Specialist Project. (3) A.

EDUCATIONAL STUDIES

R. Grise, Program Coordinator

Educational studies provides instruction in those professional subjects considered basic to the teacher education student's preparation regardless of the teaching specialty or intended level of school practice. Instruction is offered in a number of related foundational disciplines including human development, educational sociology, educational philosophy, history of education, comparative education, and multi-cultural education.

Course Descriptions

EDF—Educational Studies

102 Professional Laboratory. (1) I, II. Assessment of fitness for teaching through laboratory experiences with children in the classroom, seminars with college staff and classroom teachers, and screening tests. Required of students who enter the teacher education program. Grading is pass-fail.

202 Professional Orientation. (3) I, II. Prerequisite: sophomore standing. Acquaints students with the role of public education and nature of the teaching profession. Laboratory experiences required. Personal fitness for teaching examined. Application made for admission to teacher education program.

300 Orientation to Teacher Education. (1) I, II. Required of students who have had an introductory education course prior to transferring to Eastern. Includes screening tests, application for admission to the teacher education program, orientation, and fitness for teaching. Grading is pass-fail.

317 Human Development and Learning. (3) I, II. Prerequisite: biological or physical science course. Study of psychological, biological, and environmental bases of behavior. Laboratory experiences required.

507 Problems in Educational Foundations. (1-3) A. Prerequisite: advisor/departmental approval. Independent study under the direction of an instructor on a special topic in educational foundations. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSES

707 Problems in Educational Foundations. (1-3) A.
807 Educational Studies. (1-3) A.
832 History of Education in the United States. (3) A.
835 Critical Thinking in the Education Process. (3) A.
836 Philosophy of Education. (3) I, II.
837 Comparative Education. (3) I.
839 Human Development and Learning. (3) A.
850 Educational Sociology. (3) II.
855 Foundations of Multi-cultural Education. (3) II.
869 Research in Education. (3) I, II.
895 Advanced Research Methodology. (3) I.

EDUCATIONAL PSYCHOLOGY AND COUNSELING

L. Sexton, Program Coordinator

Educational psychology and counseling offers graduate programs with specializations for those students who wish to become school counselors, counselors in community and industrial settings, or student personnel workers in higher education. The following degree programs are offered: Master of Arts in Education in Elementary School Counseling and Secondary School Counseling; Master of Arts in Community Counseling and Student Personnel Services in Higher Education; and Specialist in Education in Student Personnel Services in Higher Education. The Standard Pupil Personnel Certification and Rank I (Sixth Year Non-degree Programs) are offered.

For additional information regarding these programs, contact the office of the department chair or consult the *Graduate Catalog*.

Course Descriptions

EPY—Educational Psychology

318 Learning Theories Applied to Teaching. (3) I, II. Examination of theories of learning and implications for adaptation in the school setting. Emphasis on the practical aspects of theories of learning through utilization of a variety of techniques and procedures. Laboratory experiences required.

412 Measurement and Evaluation in the Schools. (2) I, II. Principles and procedures in evaluating pupil growth in skills, attitudes, aptitudes, and understandings. Experience in test construction, analysis, item analysis, and marking systems. Credit will not be awarded to students who have credit for PSY 302.

504 Psychology of Individual Differences. (3) A. Prerequisite: undergraduate psychology course or instructor approval. Study and application of the facts of human variability, including differences in such areas as age, sex, class, intelligence, and achievement.

507 Problems in Educational Psychology and Guidance. (1-3) A. Prerequisite: advisor/instructor approval. Independent investigation of a research problem or directed readings in a selected area or study chosen in consultation with the instructor. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GRADUATE COURSES

704 Psychology of Individual Differences. (3) A.
707 Problems in Educational Psychology and Guidance. (1-3) A.
816 Tests and Measurements. (3) I, II.
826 Individual Appraisal of Intelligence I. (3) I.
827 Individual Appraisal of Intelligence II. (3) II.
842 Statistical Methods I. (3) I, II.
843 Statistical Methods II. (3) A.
852 Advanced Educational Psychology. (3) A.
854 Mental Health and Personal Adjustment. (3) I, II.
856 Practicum in Psychometry. (3) A.
898 Project Development. (3) A.
899 Specialist Project. (3) A.

EPC—Counseling

513 Introduction to Counseling. (3) I, II. Sociological, psychological, philosophical, and educational foundations of pupil personnel services; history and growth of the guidance movement; function, scope, and organization of guidance.

540 Counseling Theory and Practice. (3) I, II. Prerequisite: EPC 513 or instructor approval. Major theories of counseling. Attention is given to personality structure and individual behavior from which these are derived.

GRADUATE COURSES

713 Introduction to Counseling. (3) I, II.
740 Counseling Theory and Practice. (3) I, II.
802 Counseling Psychology. (3) A.
803 Community Agencies and Services. (3) A.
807 Counseling. (1-3) A.
808 Administration of Pupil Personnel Services. (3) II.
814 Organization and Administration of Guidance Services. (3) I.
820 Group Counseling. (3) I, II.
822 Lifestyle and Career Counseling. (3) I, II.
825 Elementary School Guidance. (3) A.
844 Student Personnel Services in Higher Education. (3) I.
845 Internship in Student Personnel Services. (3) II.
846 Techniques of Counseling. (3) I, II.
880 Counseling Practicum. (3) A.
881 Advanced Counseling Practicum. (3) A.
891 Issues and Trends in Counseling. (3) A.

DEPARTMENT OF CURRICULUM AND INSTRUCTION

I. Ramsey, Chair; Barr, R. Byrne, S. Byrne, Cunningham, R. Deane, S. Deane, J. Dickey, Francis, C. Gabbard, Guilfoil, Hendricks, Henson, Kirkpatrick, S. Long, McCann, R.J. Miller, Moretz, Peel, Reehm, Schmelzer, Stoess, J. Surplus, Thames, J. C. Thomas, J. Thomas, K. Thompson, Tyson, R. White, Wirtz.

The Department of Curriculum and Instruction has responsibility for programs in early elementary education (K-4), middle grade education (5-8), and for the professional education component of programs of individuals preparing to become teachers in secondary schools (9-12). At the graduate level, in cooperation with the Graduate School, the department offers the Master of Arts degree in Education with the following emphases: elementary/middle grade education, reading, library science, and secondary teaching fields. Fifth and sixth year non-degree certification programs (Rank II and Rank I) are offered in general elementary education, library science, and in secondary teaching fields. The Specialist in Education degree is offered in physical education.

Additional information regarding these programs can be obtained by consulting the *Graduate Catalog* or by contacting the appropriate program coordinator or the departmental chair.

EARLY ELEMENTARY AND MIDDLE GRADE EDUCATION

K. Thompson, Program Coordinator

Early Elementary Education (Teaching)

(KINDERGARTEN-GRADE FOUR) MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 49 hours

ELE Core ..... 28 hours
ELE 322, 361, 362, 365, 445, 446, 490, 491, 492, and 493.

Options ..... 21 hours
Students seeking certification as teachers of K-4 must complete 21 hours from one of the following areas of academic emphasis.

Arts/Humanities: To complete an area of emphasis in Arts/Humanities, the student must complete one of the following tracks:

General Track: HUM 124, ART 200**, MUS 171**, THE 100; ENG 350 or 351; PHI 110 or 130; MUS 360, FCC 220, 222, 224, ART, or THE.

Visual Arts Track: ART 100, 101, 102, 103, 200**; six hours from ART 202, 203, 207, 230, or 239. ART 100 can be used as a restricted elective.

Music Track: MUS 171**, 272, 360; Performance Component: four to nine hours from applied music and/or ensembles, three to eight hours from MUS 181, 182, 371, 372. Students with basic knowledge of the fundamentals of music may select an alternate for MUS 360 with advisor approval. MUS 272 can be used as a restricted elective.

Humanities Track: HUM 124, 226**, 228**, MUS 272; ART 390 or 391; PHI 100 or 110; ENG 350, 351, FCC 220, 222, 224, HUM 300, PHE 200, or REL 301.

English/Communications: ENG 101** and 102** (or 105**); ENG 510, 520, or EME 551; SPE 100; ENG 350, 351, or 359; six hours from ENG 301, 405, or 410.

Foreign Language: Courses from the academic emphasis must be selected from one of the following options:

French: FRE 101, 102, 201, 211, 212, 350; FCC 220, FRE 340, or 360. Students entering the program with mastery of the equivalent of FRE 101, 102, and/or 201 should take additional hours from other courses listed above. FRE 204 should be taken as the entry level course by students having mastery of the content of FRE 101, 102, and 201.

German: GER 101, 102, 201, 202, 240, 340; FCC 222, GER 360, 405, or 440. Students entering the program with mastery of the content of GER 101, 102 and/or 201 should take additional hours from other courses listed above.

Spanish: SPA 101, 102, 201, 202, 206, 301, and 360. Students having mastery of the equivalent of SPA 101 or higher will be placed at an appropriate level and must take SPA 340 and/or a Hispanic Literature class for a total of 21 hours.

Two of the foreign language courses at the 100 and 200 level can be used to fill Gen. Ed. 03 and 04.

Mathematics: CSC 104**+, 175, MAT 106, 107**+, 203, 303, and STA 270.

Science: A minimum of three hours of life science selected from BIO 100 or NAT 101, BIO 131, 141, BIO 300, 301, 317, or NAT 363. A minimum of three hours of physical science selected from PHY 101 or NAT 171, AST 130 or 135, NAT 172 or 173, GLY 107 or 108 or 109; CHE 101, 102, GEO 215, GLY 302, 304, 308, 390, PHY 131, 132, or SCI 310. As part of the 21 hour science emphasis, students must take one biological and one physical science laboratory course. Remaining hours are to be selected from courses listed. Courses taken to fulfill Gen. Ed. 13 and 14 can be applied to academic emphasis.

Social and Behavioral Sciences: ECO 130; GEO 101 or 345; GSS 246**, 247**; HIS 516 or POL 332; SOC 245 or CDF 132; one course selected from ANT 330, GSS 300, HIS 305, 383, 405, POL 316, or SOC 360.

Supporting Course Requirements ..... 9 hours
LIB 301, MAT 201, and 202.

Teacher Education Requirements ..... 27 hours
EDF 102, 202, 317, EPY 318, 412, SED 400, and ELE 499.

General Education Requirements ..... 40 hours
Standard General Education program, excluding courses identified in each area of emphasis. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
EDO 100 and eight hours of restricted electives.

Total Curriculum Requirements ..... 134 hours

**Courses meet general education requirement.

+Students whose secondary education included material equivalent to CSC 104 and/or MAT 107 may select alternate courses from the following with advisor approval: MAT 121, 211, 261, CSC 180, STA 271.

Course Descriptions

ELE—Early Elementary Education

322 Physical Education in the Elementary School. (2) I, II. Not open to physical education majors. Movement education in the elementary school curriculum with focus on the classroom teacher's role in supporting and supplementing the elementary school physical education program.

361 Art in the Early Elementary Grades. (3) I, II. Fundamental concepts of art education. Exploration of art materials, processes, and activities for children in the early elementary grades including those with special needs.

362 Music Education for the Classroom Teacher. (3) I, II. Prerequisite: knowledge of music fundamentals or MUS 360. Study and appraisal of teaching techniques, music literature, learning activities, curricular plans, and materials essential to the sequential development of musical learning in the elementary school.

365 Health Education in the Elementary School. (2) I, II. A study of curriculum design, teaching/learning strategies, resources, and evaluation procedures in elementary school health education. Topics include drugs, mental health, family living, nutrition/exercise/rest, consumerism, environmental health, disease, dental health, and careers.

445 Foundations of Reading/Language Arts. (3) I, II. Cross listed as EMG 445. Prerequisite: GPA of 2.5. An overview of reading/language arts components K-8, teacher competencies, organization and planning for instruction. Twenty hours of field/clinical experiences. Credit will not be awarded to students who have credit for EMG 445.

446 Reading and Language Arts K-4. (3) I, II. Prerequisites: minimal grade of "C" in ELE 445 and admission to teacher education. Emphasis on theory, curriculum, teaching techniques and materials, instructional planning, assessment and use of results. Twenty hours of field/clinical experiences.

490 Classroom Management. (3) I, II. Prerequisite: admission to teacher education. Critical examination of effective classroom management in grades K-4. Emphasis on theories, strategies, societal implications, and legal ramifications through study, discussion, observation, and participation. Twenty hours of field/clinical experiences.

491 Mathematics in Early Elementary Grades. (3) I, II. Prerequisites: admission to teacher education and minimal grade of "C" in MAT 202. Methods and materials of teaching K-4 mathematics; emphasis on discovering and developing fundamental concepts as a foundation for problem solving. Twenty hours of field/clinical experiences.

492 Science in the Early Elementary Grades. (3) I, II. Prerequisite: admission to teacher education. Modern materials and methods from kindergarten through grade four. Five discussion-laboratory hours per week. Twenty hours of field/clinical experiences.

493 Social Studies in Early Elementary Grades. (3) I, II. Prerequisite: admission to teacher education. Theory, content, and practice of teaching social studies in grades K-4. Twenty hours of field/clinical experience.

499 Supervised Student Teaching in Kindergarten Through Fourth Grade. (6-12) I, II. Prerequisites: methods courses and area of specialization. Observation, participation, responsible classroom teaching, and related professional activities including students at two non-consecutive levels in the K-4 range.

507 Problems in Elementary Education. (1-3) A. Prerequisite: advisor/departmental approval. Independent work, special workshops, special topics, or seminar.

519 Teaching in the Kindergarten. (3) I, II. Focuses upon the kindergarten movement, organization, equipment, curriculum, and procedures; leaders and literature of kindergarten education. Opportunity for observing and participating in kindergarten.

541 Survey of Elementary Curriculum Programs. (3) I, II. For physical education, art, or music majors seeking twelve-grade certification. Explores elementary curriculum, the role of special teachers, problems of individual learners, functions of the entire school-community. Not open to elementary education majors.

GRADUATE COURSES

707 Problems in Elementary Education. (1-3) A.
719 Teaching in the Kindergarten. (3) I, II.
741 Survey of Elementary Curriculum Programs. (3) I, II.
801 Practicum in Kindergarten Education. (4) I, II.
802 Practicum in Elementary Education. (4) A.
807 Elementary Education:____. (1-3) A.
810 Elementary School Curriculum. (3) I, II.
820 Theory and Philosophy in Early Childhood Education. (3) A.
825 Cognitive Development of Young Children. (3) A.
830 Expressive Experiences in Early Childhood Education. (3) A.
831 Music in Early Childhood Education. (2-3) A.
871 Readiness and Primary Reading Programs. (3) A.
891 Issues and Trends in Elementary Education. (3) A.
897 Independent Study. (1-3) I, II.

Middle Grade Education (Teaching)

(GRADES FIVE-EIGHT)

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 63 hours

Middle Grade Core ..... 15 hours
EMG 390, 445, 447, and six hours from 491, 492, 493, or 494.

Options ..... 48 hours
Students seeking middle grade, 5-8, certification must select two areas of emphasis from the following list and complete 24 hours in each area: English and communications, mathematics, science, social studies.

English and Communications ..... 24 hours
ENG 101 and 102 (or 105); 350 or 351; 410; LIB 501, SPE 100, and six hours selected from ENG 301, 405, 510, 520, or EME 551.

Mathematics ..... 24 hours
CSC 175, MAT 106, 107, 201, 202, 203, 303, and STA 270. (Students are advised to take CSC 104 as a symbolics option prior to enrolling in CSC 175 unless they already possess skills comparable to those acquired in CSC 104. Students whose secondary education included a course equivalent to MAT 107 may select an alternate course from the following: MAT 121, 211, 261, CSC 180, or STA 271.

Science ..... 24 hours
Biological Science - nine hours: one course from BIO 100, 131, 141, or NAT 101; two courses from BIO 131, 141, 211, 300, 301, 378; 302 or 303; 317, or NAT 363. Earth Science, Physics, and Chemistry - 15 hours to include nine hours from one area and three hours from each of the remaining two areas: CHE 101 and 102 or 111 and 112; GLY 107, 108, 109, 302, 304, 308, 390, AST 130, 135, NAT 172 or 173; PHY 101, 131 and 132, 201 and 202, or NAT 171. A laboratory course must be selected from each area. Gen. Ed. 13 and 14 can be filled with one lab course in biology and one lab course in physical science.

Social Studies ..... 24 hours
ECO 120 or 130; GEO 345, GSS 246, 247, HIS 202, 203; POL 100 or 101; three hours selected from ANT 120, 325, SOC 131, or 235.

Teacher Education Requirements ..... 27 hours
EDF 102, 202, 317, EPY 318, 412, SED 400, and EMG 499.

General Education Requirements ..... 34 hours
Standard General Education program, excluding categories identified in each area of emphasis. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
EDO 100 and eight hours restricted electives.

Total Curriculum Requirements ..... 133 hours

Course Descriptions

EME—Early Elementary and Middle Grade

324 Teaching of Physical Education in K-8. (3) A. Formerly ELE 324. Prerequisite: PHE 323. Study, appraisal, and practice of teaching techniques, methods, and materials essential to the sequential development of motor skill learning in K-8.

510 Art in the Curriculum. (3) A. Formerly ELE/EMG 510. Elements of the discipline, creativity, aesthetics, theory, philosophy, and instructional facilities. Individual explorations into theory and media.

530 Multi-cultural Populations and School Curriculum. (3) A. Formerly ELE/EMG 530. Exploration of ethnic and family backgrounds, class structure, patterns of living, language characteristics, and teacher-pupil attitudes as they relate to the school experience.

551 Linguistics in the Curriculum. (3) A. Formerly ELE/EMG 551. Prerequisite: ELE/EMG 445, EME 873, or ELE 871. Investigation of elements in the science of linguistics and their application to communication of students.

586 Health Education K-8. (3) A. Formerly ESE 586. Curriculum design and content, instructional strategies, and materials for health education in K-8.

596 Physical Education for Children and Youth. (3) A. Formerly ELE/EMG 596. Comprehensive review of techniques used in teaching physical education in the early elementary and middle grades. Emphasis placed on health evaluation, fitness testing, rhythmical activities, game activities, tumbling, and self-testing activities.

GRADUATE COURSES

710 Art in the Curriculum. (3) A.
730 Multi-cultural Populations and School Curriculum. (3) A.
751 Linguistics in the Curriculum. (3) A.
786 Health Education K-8. (3) A.
796 Physical Education for Children and Youth. (3) A.
843 Teaching Mathematics to Low Achievers. (3) A.
863 Social Science in the Curriculum. (3) A.
865 Investigations in Reading. (3) A.
866 Investigations in Mathematics. (1-3) A.
870 Trends in Science Education. (3) A.
872 Mathematics in the Curriculum. (3) A.
873 Developmental Reading. (3) A.
874 Language Arts in the Curriculum. (3) A.
876 Investigations in Science Education. (3) A.
877 Practicum in Remedial Reading. (3) A.
880 Organization and Supervision of Student Teaching. (3) A.

EMG—Middle Grade Education

390 Middle Grade Curriculum. (3) I, II. Prerequisite: EDF 317. An examination of the curriculum and the responsibilities of teaching in the middle grades through study, discussion, observation, and participation. Twenty hours of field/clinical experiences.

445 Foundations of Reading/Language Arts. (3) I, II. Cross listed as ELE 445. Prerequisite: GPA of 2.5. An overview of reading/language arts components K-8, teacher competencies, organization and planning for instruction. Twenty hours of field/clinical experiences. Credit will not be awarded to students who have credit for ELE 445.

447 Reading/Language Arts in the Middle Grades. (3) I, II. Prerequisites: minimal grade of "C" in EMG 445 and admission to teacher education. Emphasis on theory, curriculum, teaching techniques and materials, instructional planning, assessment and use of results. Twenty hours of field/clinical experiences.

491 Mathematics in the Middle Grades. (3) I, A. Prerequisites: mathematics emphasis, EMG 390, and admission to teacher education. Methods and materials of teaching middle grade mathematics, procedures for discovering and developing fundamental concepts as a foundation for problem solving, use of modern instructional media in planning and demonstrating math instruction. Twenty hours of field/clinical experiences.

492 Science in the Middle Grades. (3) I, A. Prerequisites: science emphasis, EMG 390, and admission to teacher education. Study of materials and methods for teaching science in grades five through eight. Twenty hours of field/clinical experience.

493 Social Studies in the Middle Grades. (3) I, A. Prerequisites: social studies emphasis, EPY 318, EMG 390, and admission to teacher education. Theory, content, and practice of teaching social studies in the middle grades. Twenty hours of field/clinical experience.

494 English and Communication in the Middle Grades. (3) I, A. Prerequisites: English/communications emphasis, EMG 390, 445, and admission to teacher education. Study of effective techniques and strategies for teaching English and communication skills in the middle grades. Twenty hours of field/clinical experience.

499 Supervised Student Teaching in the Middle Grades. (6-12) I, II. Prerequisite: methods courses in areas of specialization. Observation, participation, and responsible classroom teaching with related professional activities.

507 Problems in Middle Grade Education:____. (1-3) A. Prerequisite: advisor approval. Independent work, workshops, special topics, or seminar. May be retaken to a maximum of six hours under different subtitles.

567 Curriculum and Instructional Strategies for Home Economics in the Middle Grades. (3) A. Prerequisite: certification in home economics. Study of curriculum content, instructional materials, and strategies appropriate for home economics instruction in the middle grades.

568 Curriculum and Instructional Strategies for Industrial Education in the Middle Grades. (3) A. Prerequisite: certification in industrial education. Study of curriculum content, instructional materials, and strategies appropriate for industrial arts education instruction in the middle grades.

GRADUATE COURSES

707 Problems in Middle Grade Education:____. (1-3) A.
767 Curriculum and Instructional Strategies for Home Economics in the Middle Grades. (3) A.
768 Curriculum and Instructional Strategies for Industrial Education in the Middle Grades. (3) A.
806 Reading Instruction in the Middle School. (3) A.
807 Middle Grade Education:____. (1-3) A.
810 Curriculum in the Middle School. (3) A.
897 Independent Study. (1-3) A.

EMS—Early Elementary, Middle Grade, and Secondary Education

575 Methods and Materials for Teaching English as a Second Language. (3) A. Formerly ELE/EMG/ESE 575. The study of effective methods of Teaching English as a Second Language (TESL). Thirty hours of field experiences are required.

GRADUATE COURSES

775 Methods and Materials for Teaching English as a Second Language. (3) A.
811 Humanistic Teaching-Strategies and Behaviors. (3) A.
818 Effective Instructional Models and Practices. (3) A.
842 Discipline and Classroom Management. (3) A.
855 Gifted and Talented Youth. (3) A.
856 Curriculum in Gifted/Talented Education. (3) A.
868 Techniques and Materials for Remedial Reading. (3) A.
875 Diagnosis of Reading Problems. (3) A.

LIBRARY SCIENCE

Course Descriptions

LIB—Library Science

301 Children's Literature and Related Materials. (3) I, II. Prerequisites: ENG 101 and 102 (or 105). Survey course designed for teachers and media librarians planning to work with children. Emphasis on media to supplement the school curriculum and to encourage recreational reading for ages 1-10.

501 Literature and Related Materials for Transescents. (3) A. A course designed to help teachers and librarians extend their knowledge of authors, literature, and related materials for students 10-14 years of age. Relating of literature to the interests and needs of transescents and literary criticism are emphasized.

569 Instructional Media and Technology. (3) I, II. A course designed to instruct students in the philosophy and techniques of the effective utilization of instructional media and technology.

GRADUATE COURSES

701 Literature and Related Materials for Transescents. (3) A.
769 Instructional Media and Technology. (3) I, II.
800 Organization and Administration of the School Media Center. (3) A.
802 Literature and Related Materials for Young Adults. (3) A.
805 Advanced Children's Literature. (3) A.
807 Library Science:____. (1-3) A.
821 Reference and Bibliographic Services. (3) A.
831 Classification and Cataloging. (3) A.
863 Computer Use and Media Preparation in Library Media Programs. (3) A.
868 Elementary School Media Librarian Practicum. (1-3) A.
869 Secondary School Media Librarian Practicum. (1-3) A.

SECONDARY AND HIGHER EDUCATION (TEACHING)

D. Kirkpatrick, Program Coordinator

Professional education counseling, professional education courses, and supervision of student teaching are services provided undergraduate students preparing to be secondary school teachers. Graduate level offerings are provided for students seeking advanced professional preparation in secondary education.

Course Descriptions

ESE—Secondary Education

307 Clinical Experiences for Teachers. (1-3) A. Prerequisite: departmental approval. Provides clinical experiences such as observations, participation, and tutoring for prospective teachers in locations such as the learning lab. May be retaken to a maximum of six hours.

366 Methods of Teaching Home Economics. (4) II. Prerequisites: EDF 202 and EDF 317. Philosophy of home economics education; methods of teaching in-school and out-of-school groups; selection, development, and use of instructional materials.

378 Music Education: Principles and Practices I. (3) I. Prerequisite: junior standing in music. Acquaints the student with a balanced music education curriculum in the elementary school. Emphasis on understanding and planning a developmental sequence to assure musical growth of children in K-6.

379 Music Education: Principles and Practices II. (3) II. Prerequisite: ESE 378. Acquaints students with a balanced music education curriculum in the secondary school. Emphasis on understanding and planning a developmental sequence to assure musical growth of 7-12 grade pupils.

440 Teaching Art in the Secondary School. (3) II. Prerequisite: senior standing in art education. Relation of adolescent maturation levels and art experiences, planning for organization, and philosophy of art education in the secondary school.

441 Teaching of Biology in the Secondary School. (3) II. Modern materials and methods for teaching biology in secondary schools.

443 Teaching of the Language Arts in the Secondary School. (3) II. Prerequisite: major or minor in English, French, German, Spanish, or speech. Study of effective methods of instruction in language arts; emphasis on programming, lesson planning, and evaluating.

449 Teaching of Social Studies in the Secondary School. (3) II. Trends, objectives, teaching learning techniques, and understanding of social studies as keys to development of understanding of social relations.

450 Teaching of Mathematics in the Secondary School. (3) II. Prerequisite: 18 hours college mathematics or departmental approval. Historical background of the mathematics curriculum; modern curricular developments in secondary school mathematics; improvement programs for school mathematics; texts and materials.

451 Teaching of Physical Science in the Secondary School. (3) II. Prerequisite: major or minor in the physical sciences. Review of fundamentals of chemistry and physics. New techniques useful in teaching principles of physical science in the classroom and laboratory.

452 Teaching of Industrial Arts in the Secondary School. (3) II. Function and objectives of industrial arts; the industrial arts curriculum; methods of presentation; planning, equipping, and organizing the laboratory; instructional materials; evaluation of student achievement.

453 The Home Economics Curriculum. (3) II. Prerequisite: instructor approval. Current trends in home economics programs for secondary school students, out-of-school youth, and adults; curriculum planning; organization and administration of the department; construction and use of evaluation instruments.

457 Instrumental Methods and Materials. (2) I, II. The role, objectives, and methods of instrumental music in public schools.

458 Choral Methods and Materials. (2) I, II. The role, objectives, and methods of choral music in public schools.

466 Teaching of Physical Education in the Secondary School. (3) I, II. The role of physical education in secondary schools; implication for the physical education curriculum, unit and lesson planning, methods and materials of teaching.

473 A System for Teaching Comprehensive Business Education. (3) A. Prerequisites: ESE 498 and admission to student teaching. Relates knowledge of subject matter, human development, and educational theory to the teaching of comprehensive business courses, grades 5-12. Current methods and materials, teaching, and evaluation of student progress.

487 Teaching of Health Education in the Secondary School. (3) II. Methods, materials, and curriculum design in secondary health education; characteristics and health needs of secondary students.

498 Fundamentals of Secondary Education. (3) I, II. Prerequisites: EDF 202 or 300; EDF 317 or EPY 318. Responsible classroom teaching through experiences in study, discussion, and organizing materials.

499 Supervised Student Teaching. (12) I, II. Prerequisite: ESE 498. Observation, participation, and responsible classroom teaching including related professional activities.

507 Problems in Secondary Education. (1-3) A. Prerequisite: advisor/departmental approval. Independent work, special workshops, special topics, or seminars.

566 Special Problems in Home Economics Education. (1-3) A. Prerequisite: instructor approval. The student chooses a problem and works under the supervision of the instructor.

574 Teaching Reading in the Secondary School. (3) A. Prerequisites: EDF 317 and admission to teacher education program. Emphasis on developmental and content area reading skills, appraisal of reading abilities, appropriate materials, evaluation, and organization of secondary reading programs.

GRADUATE COURSES

707 Problems in Secondary Education. (1-3) A.
766 Special Problems in Home Economics Education. (1-3) A.
774 Teaching Reading in the Secondary School. (3) A.
806 Current Principles, Trends, and Issues in Business Education. (3) A.
807 Secondary Education:____. (3) A.
820 Improvement of Instruction in Typewriting. (3) A.
849 Trends and Materials in Social Studies. (3) A.
850 Trends and Materials in the Teaching of Mathematics. (3) A.
860 Curriculum Development in Home Economics. (3) A.
861 Supervision of Home Economics. (3) A.
863 Secondary School Curriculum. (3) II.
865 Seminar in Home Economics Education. (1-3) A.
866 Curriculum Design in Physical Education. (3) I.
867 Evaluation in Home Economics Education. (3) A.
868 Research in Home Economics Education. (1-6) A.
871 Special Problems in Industrial Arts Education. (1-6) A.
872 Curriculum Practices and Trends in Industrial Education. (3) I.
873 Seminar in Industrial Arts Education. (3) A.
874 Supervision and Administration in Music Education. (3) A.
875 Current Trends in Secondary Music. (2) A.
876 Current Trends in Elementary Music. (2) A.
877 Practicum in Remedial Reading. (3) A.
878 Principles of Music Education. (3) I.
879 Foundations of Music Education. (3) II.
880 Problems in Music Education. (1-3) I, II.
881 Workshop in Music Education. (1-4) SUMMER ONLY.
882 Curriculum Development in Music Education. (3) A.
898 Project Development. (3) A.
899 Specialist Project. (3) A.

EHE—Higher Education

807 Problems in Higher Education. (1-3) A.
880 Organization and Supervision of Student Teaching. (3) A..

DEPARTMENT OF SPECIAL EDUCATION

D. Hagness, Chair; Bolling, Carr, Dapkus, Dilka, Eldot, Hayden, Hayes, Janssen, Leung, Mahanna-Boden, Meckler, Sultana, Walker.

The Department of Special Education prepares special educators, speech-language pathologists, and other personnel who work in a variety of related settings. Programs are offered leading to Bachelor of Science and Master of Arts in Education degrees in special education with emphasis in early childhood (SEEC), hearing impaired (HI), learning and behavior disorders (LBD), and trainable mentally handicaps (TMH) and in communication disorders (speech-language pathology). The Specialist in Education degree is offered in special education. Teaching and non-teaching options are available in HI, LBD, and TMH. A non-teaching option is offered in SEEC. A two-year Associate of Arts degree is offered in interpreting for the deaf, which allows the graduate to pursue national certification. A non-degree option is also available in this program.

The B.S. in special education entitles the graduate to be eligible to apply for a provisional teaching certificate K-12 in the areas of HI, LBD, and TMH and a provisional teaching certificate for the elementary classroom (grades K-4 or 5-8). Students majoring in communication disorders are eligible for a standard teaching certificate K-12 in communication disorders with completion of the masters degree. Students majoring in communication disorders at the undergraduate level will be enrolled in the "preprofesssional" (non-certification) program which is considered prerequisite to the graduate program.

Fifth and sixth year programs are offered which lead to Rank II and I certification. Based on K-4 or 5-8 certification, graduate students can obtain K-12 certification. Based on a high school teaching certificate, graduate students can obtain an endorsement for 7-12 in learning and behavior disorders or in hearing impaired. Director of special education is offered in a sixth year program.

In addition, the graduate program in communication disorders prepares the student for eligibility to receive state licensure and/or national certification in speech-language pathology.

LEARNING AND BEHAVIOR DISORDERS AND TRAINABLE MENTALLY HANDICAPPED

G. Carr, Program Coordinator

Special Education

MAJOR (K-12) WITH EARLY ELEMENTARY CERTIFICATION (K-4) (BACHELOR OF SCIENCE)

Major Requirements ..... **30 hours**
- **Core**
  - SED 104, 260, 341, 356, 375, 388, 438, and 518.
- **Specializations**
  - **Learning and Behavior Disorders**
    - SED 351 and 434.
  - **Trainable Mentally Handicapped**
    - SED 353 and 435.

Elementary Education (K-4) Requirements ..... **18 hours**
ELE 445, 446, 490, 491, 492, and 493.

Supporting Course Requirements ..... **19 hours**
ELE 322, 361, 362, 365, LIB 301, MAT 201, and 202.

Teacher Education Requirements ..... **22 hours**
EDF 102, 202, 317, EPY 318, ELE 499, and SED 499.

General Education Requirements ..... **40 hours**
Standard General Education program, excluding course categories 03 and 04. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
EDO 100 and eight hours restricted electives.

Total Curriculum Requirements ..... **138 hours**

Special Education

MAJOR (K-12) WITH MIDDLE GRADES CERTIFICATION (5-8) (BACHELOR OF SCIENCE)

See advisor early in the program

Major Requirements ..... **30 hours**
- **Core**
  - SED 104, 260, 341, 356, 375, 388, 438, and 518.
- **Specializations**
  - **Learning and Behavior Disorders**
    - SED 351 and 434.
  - **Trainable Mentally Handicapped**
    - SED 353 and 435.

Middle Grades (5-8) Requirements ..... **24-36 hours**
EMG 390, 445, 447, and three hours from EMG 491, 492, 493, or 494.
- Teaching Field/Area of Emphasis
  - 24 hours in an area of emphasis chosen from: English and communications, mathematics, science, or social studies. (Up to 12 hours in General Education requirements may apply toward the teaching field.)

Supporting Course Requirements ..... **9 hours**
Art or Music (see advisor); MAT 201 and 202.

Teacher Education Requirements ..... **22 hours**
EDF 102, 202, 317, EPY 318, EMG 499, and SED 499.

General Education Requirements ..... **40 hours**
Standard General Education program, excluding course categories 03 and 04. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
EDO 100 and eight hours restricted electives.

Total Curriculum Requirements ..... **134-146 hours**

Special Education (Non-Teaching)

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **36-39 hours**
- **Core**
  - SED 104, 260, 341, 356, 375 (nine hours over a minimum of two semesters), 388, 438, and 518.
- **Options**
  - **Early Childhood (SEEC)**
    - SED 101 or 240, 352, and 436.
  - **Hearing Impaired (HI)**
    - SED 337 and 380.
  - **Learning and Behavior Disorders (LBD)**
    - SED 351 and 434.
  - **Trainable Mentally Handicapped (TMH)**
    - SED 353 and 435.

Supporting Course Requirements ..... **12-13 hours**
- **HI, LBD, and TMH Options**
  - EDF 317, EPY 318, and six hours from the following: REC 311, 511, or PHE 562**.
- **SEEC Option**
  - EDF 102, 202, ELE 519, NSC 500, and OTS 515.

Minor Requirements ..... **18 hours**
- **LBD, TMH, and HI Option*****
- **SEEC Option**
  - Child and Family Studies Minor
    - CDF 132, 241, 244, 245, 247, and 344.

General Education Requirements ..... **46 hours**
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
EDO 100 and eight hours restricted electives.

Free Electives ..... **7 hours**

Total Curriculum Requirements ..... **128-132 hours**

**Note: PHE 562 is two hour course only.

***Refer to Part Three of this *Catalog* for list of minors offered.

MINOR IN SPECIAL EDUCATION

Planned 18 semester hours under special education advisement. The planned program will be consistent with student's professional objectives. Prerequisites must be honored. Candidates should contact the department for specific requirements of the minor.

COMMUNICATION DISORDERS AND HEARING IMPAIRED PROGRAMS

J. Bolling, Program Coordinator

Communication Disorders

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **64 hours**
SED 101 or 240; 104, 250, 273, 274, 275, 285, 341, 360, 365, 372, 373, 374, 380, 464, 465, 474+, 475, 485, 486, 487, 488, 512, 518, and 564.

Supporting Course Requirements ..... **28 hours**
BIO 171; 301, 302, 303, or 371; EDF 102, 202, 317; ENG 410, 510, or 520; MAT 106 or 107; PHY 101 or NAT 171; PSY 201 or 202; and SPE 100, 200 or 210.

General Education Requirements ..... **31 hours**
Standard General Education program, excluding course categories 03, 04, 13, 14, and 15. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
EDO 100 and eight hours restricted electives.

Total Curriculum Requirements ..... **132 hours**

+to a maximum of six hours

Hearing Impaired

MAJOR (K-12) WITH EARLY ELEMENTARY CERTIFICATION (K-4) (BACHELOR OF SCIENCE)

Major Requirements ..... **39 hours**
SED 104, 240, 260, 337, 338, 356, 375, 380, 388, 438, 510, 518, and 581.

Elementary Education (K-4) Requirements ..... **18 hours**
ELE 445, 446, 490, 491, 492, and 493.

Supporting Course Requirements ..... **19 hours**
ELE 322, 361, 362+, 365, LIB 301, MAT 201, and 202.

Teacher Education Requirements ..... **22 hours**
EDF 102, 202, 317, EPY 318, ELE 499+, and SED 499.

General Education Requirements ..... **40 hours**
Standard General Education program, excluding course categories 03 and 04. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
EDO 100 and eight hours restricted electives.

Total Curriculum Requirements ..... **147 hours**

+Courses are not taken in the option for students who are hard of hearing/deaf and who are majoring in the hearing impairment teacher certification program.

Hearing Impaired

MAJOR (K-12) WITH MIDDLE GRADES CERTIFICATION (5-8) (BACHELOR OF SCIENCE)

See advisor early in the program

Major Requirements ..... **39 hours**
SED 104, 240, 260, 337, 338, 356, 375, 380, 388, 438, 510, 518, and 581.

Middle Grade Requirements (5-8) ..... **24-36 hours**
EMG 390, 445, 447, and three hours from EMG 491, 492, 493, or 494.

Teaching Field/Area of Emphasis
24 hours in an area of emphasis chosen from: English and communications, mathematics, science, or social studies. (Up to 12 hours in General Education requirements may apply toward the teaching field.)

Supporting Course Requirements ..... **9 hours**
Art or Music+ (see advisor); MAT 201 and 202.

Teacher Education Requirements ..... **22 hours**
EDF 102, 202, 317, EPY 318, EMG 499+, and SED 499.

General Education Requirements ..... **40 hours**
Standard General Education program, excluding course categories 03 and 04. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
EDO 100 and eight hours restricted electives.

Total Curriculum Requirements ..... **143-155 hours**

+Courses are not taken in the option for students who are hard of hearing/deaf and who are majoring in the hearing impairment teacher certification program.

INTERPRETING FOR DEAF INDIVIDUALS PROGRAMS

Criteria for Admission

Criteria for admission to the A.A. degree or the certificate of completion for interpreting for deaf individuals, children, and youth.

1. Satisfactory performance on reading and language usage tests.
2. Demonstration of effective aural/oral communication skills.

Special Education with Emphasis in Interpreting for Deaf Individuals

ASSOCIATE OF ARTS

Major Requirements ..... **42 hours**
SED 115, 120, 125, 201, 202, 225, 230, 240, 265, 270, 290, and 375 (nine hours over two semesters).

Supporting Course Requirements ..... **27 hours**
EDO 100, SED 338, SOC 310, ANT 120*, six hours of English composition*, seven additional hours from general education humanities* and general education natural science*, and four hours restricted electives.

Total Curriculum Requirements ..... **69 hours**

CERTIFICATE OF COMPLETION FOR INTERPRETING FOR DEAF CHILDREN AND YOUTH

Requirements ..... 45 hours

SED 115, 120, 125, 201, 202, 225, 230, 240, 265, 270, 290, 338, and 375 (nine hours over two semesters).

Course Descriptions

SED—Special Education

090 Speech-Language Laboratory. (3) I, II. Clinical approach to communication problem(s). Instruction in proper use of speech mechanism. Individualized remediation of articulation, fluency, language, and/or voice problems. Concurrent enrollment in Speech-Language-Hearing Clinic may be required. Institutional credit; cannot be used toward graduation.

101 American Sign Language I. (3) I, II. Communication with deaf individuals who sign. Includes development of expressive and receptive sign skills, manual alphabet, numbers, sign vocabulary, and an overview of syntax, grammar, and culture of ASL. Gen. Ed. 03 or 04.

102 American Sign Language II. (3) I, II. Formerly SED 339. Prerequisite: SED 101 or instructor approval. A second level course in the visual language of ASL. An overview of linguistic and sociolinguistic information regarding ASL while advancing communication skills in the language and cultural awareness of the deaf community. Gen. Ed. 03 or 04.

104 Special Education Introduction. (3) I, II, A. Complete overview of major categories of exceptionalities and special education. Observations of special education services. Open to non-majors.

115 Heritage and Culture of the Deaf. (3) A. Formerly SED 105. Overview of the psychological, sociological, and cultural impacts of deafness upon children and adults. Explores how deafness can affect the individual's development in language, communication, cognition, and psychological-social-emotional growth. Examines historic relations between deaf and hearing, and compares deaf culture with that of the hearing world.

120 Fingerspelling. (3) I, II. This course is designed to supplement American Sign Language SED 101 and SED 102. The course will focus on aspects of receptive and expressive fingerspelling and numbers in ASL.

125 Voice to Sign: Theory. (3) A. Formerly SED 110. Terminology, procedures, and ethical/professional considerations relevant to manual interpreting. Code of Ethics, structuring of interpreting environment, language systems, communication modes, education and evaluation of interpreters, human relation skills, historic developments, current trends.

201 American Sign Language III. (3) I. Formerly SED 280. Prerequisites: SED 101 and 102; or instructor approval. Emphasis is placed on practical application of ASL signing skills, development of cross-cultural communication abilities, and vocabulary expansion. Linguistic information is reviewed and additional linguistic materials are introduced. Gen. Ed. 03 or 04.

202 American Sign language IV. (3) II. Formerly SED 281. Prerequisites: SED 101, 102, and 201; or instructor approval. Continued expansion of sign vocabulary, sharpening of conversational skills including fingerspelling and numbers, semantics, morphology syntax and other ASL features and applied to conversational settings. Gen. Ed. 03 or 04.

225 Voice to Sign: Interpreting. (3) A. Formerly SED 282. Prerequisites: SED 125 and 201. Introduction to expressive interpreting across educational and community settings. Emphasis on educational ethics and elementary through university interpreting as compared with community interpreting.

230 Sign to Voice: Theory. (3) I. Formerly SED 284. Prerequisites: SED 125 and 201; or instructor approval. Terminology, procedures, and ethical/professional considerations relevant to sign-to-voice interpreting. Code of Ethics, structuring of interpreting environment, communication modes, education and evaluation of interpreters and trends.

240 Communication Skills for the Hearing Impaired. (3) I, II, A. Basic principles of manual communication and fingerspelling. Builds an expressive and receptive vocabulary of at least 1,000 signs to enable communication with individuals who use total communication. 3 Lec/Lab.

250 Phonetics. (3) I. Study of the articulatory postures and movements used to produce standard English and defective sounds. Introduction of the International Phonetic Alphabet and practice in using it to transcribe both normal and defective speech.

260 Language and Speech Disorders of Exceptional Children. (3) I, II. Prerequisite: SED 104 or instructor approval. Acquisition of normal language and speech in our multi-cultural society. Identification and educational management of language and speech disorders in exceptional children.

265 Voice to Sign: Transliterating. (3) I. Formerly SED 283. Prerequisites: SED 202, 225, and 230. Overview of transliterating and English sign systems utilized in the educational setting. Analysis of the influence of English in ASL and integration of English sign systems in educational and community transliterating.

270 Sign-to-Voice: Interpreting. (3) I, II. Prerequisite: SED 230 or instructor approval. Training and practice in sign-to-voice interpreting in educational and community settings. Register and text analysis of ASL including sequencing, paraphrasing, and vocal production.

271 Characteristics of Learning and Behavior Problems. (3) I, II. Prerequisite: SED 104 or instructor approval. Handicapping conditions due to physical, sensory, motor, intellectual, or emotional problems. Characteristics of educable mental retardation, learning disabilities, emotional disturbance (behavior disordered), physically handicapped. Utilization of prosthetic devices.

272 The Trainable and Severely Mentally Handicapped. (3) II. Prerequisite: SED 104 or instructor approval. Emphasis on moderate, severe, and profound retardation. Characteristics of moderate and severe retardation; theories of intelligence; adaptive behavior; etiology; history; residential programs; educational, social, psychological implications.

273 Pre-practicum in Speech Pathology I. (1) I. Techniques of observation, report-writing, and supervised clinical observation of therapeutic or diagnostic services with communication-disordered individuals. Students must complete at least 12 clock hours by end of this semester.

274 Pre-practicum in Speech Pathology II. (1) II. Prerequisite: SED 273 or instructor approval. Continuation of supervised clinical observation and reporting of therapeutic or diagnostic services with communication-disordered individuals. Students must accumulate 13 clock hours by end of this semester.

275 Communication Disorders: A Survey. (3) I. Introduction to the nature and causes of speech, language, and hearing disorders. An overview of the field of communication disorders.

285 Anatomy and Physiology of Speech and Hearing Mechanism. (3) I. Prerequisites: SED 275 and BIO 171; or instructor approval. Introduction to the anatomical and physiological bases of hearing, respiration, phonation, resonation, and articulation.

290 Sign-to-Voice Transliterating. (3) A. Prerequisite: SED 270 or instructor approval. Training and study in sign-to-voice transliterating in educational and community situations. Voicing in consecutive and simultaneous modes; analysis of signed English systems.

337 Education of the Hearing Impaired. (3) A. Prerequisite: SED 104 or instructor approval. Study of personality, intellectual, and emotional development of the hearing impaired. Emphasis on social maturity, motor functioning, multiple handicaps and the significant history of educational programs at all levels.

338 Instruction in Language and Literacy for the Hearing Impaired. (3) A. Prerequisite: SED 260 or instructor approval. Reading and written language acquisition from a developmental perspective. Concepts in bilingual education applied to deaf children. Materials and methods in teaching reading and writing.

341 Behavior Management. (3) I, II. Techniques of behavioral management of exceptional students in educational settings. Applied behavior analysis data collection, intervention, and reporting. Practical procedures for teaching new behaviors. Open to non-majors.

349 Cooperative Education. (1-8) A. Elective credit offered through work experiences for students seeking teacher certification. Minimum of 80 hours work required for one credit hour. Maximum hours to be earned: six in summer; eight during semester; sixteen in bachelor's program.

351 Special Educational Assessment. (3) I, II. Prerequisites: SED 104 and 260; or instructor approval. Principles and application of educational assessment of learning and behavior disordered students. Educational interpretation of assessment outcomes.

352 Assessment of Handicapped Preschool Children. (3) II. Formal and informal procedures for screening and assessing handicaps or at-risk conditions in young children, focusing on ages 3 to 5 years. Consideration given for developmental domains (e.g., motor, communication, cognitive, social/emotional, self-help).

353 Assessment of Trainable Mentally Handicapped Students. (3) A. Prerequisite: SED 104 or instructor approval. Principles and application of psychological and educational assessment of trainable and severely mentally handicapped students. Educational interpretation of assessment results.

356 Special Education Methods and Materials. (3) I, II. Prerequisites: introductory and assessment courses. Curriculum for exceptional individuals; instructional principles and methodology; development, implementation, and evaluation of validated educational programs and materials.

360 Normal Speech and Language Development. (3) II. Normal speech and language acquisition; basic linguistic concepts and theories; language deviance/difference.

365 Language Disorders: Assessment. (3) I. Prerequisite: SED 275, 360, or instructor approval. Methods of assessing language content/form/use. Assessment techniques will include standardized tests, language sampling and analysis, and observational techniques and scales.

372 Diagnostic and Management Techniques in Communication Disorders. (3) II. Prerequisites: SED 250 and 275. Survey and application of diagnostic and therapy management techniques, procedures for client evaluation, program planning and implementation. Laboratory and observation experiences may be required.

373 Speech Pathology: Articulation. (3) II. Prerequisites: SED 250 and 275. Characteristics and principles of diagnosis and treatment of articulation problems.

374 Practicum in Speech Pathology. (3) I, II. Prerequisites: 25 hours of observation in communication disorders, SED 372, 373, and 2.8 GPA in major; or instructor approval. Supervised clinical practice in communication disorders. May be retaken to a maximum of six hours.

375 Practicum in Special Education. (3-6) I, II. Prerequisite: departmental approval. Corequisite: SED 434, 435, or 436. A supervised practicum. Educational/developmental assessment, applied behavior analysis, IEP/IFSP. May be retaken to a maximum of nine hours credit for non-teaching majors.

380 Introduction to Clinical Audiology. (3) I, II. Physics of sound; anatomy, physiology, pathology, and medical treatment of the auditory system; introduction to the audiometer; basic pure-tone and speech (auditory) testing.

388 The Handicapped In Career Education Programs. (3) I, II. Educational management of handicapped and disadvantaged pupils in industrial, agricultural, home economics, business, and technical education settings. Open to non-majors.

400 Exceptional Students in Regular Classrooms. (3) I, II. Prerequisite: admission to teacher education. Prerequisite or Corequisite: ELE/EMG 445. Regular education implications: legal aspects, characteristics of mainstreamed students, identifications, instructional strategies, behavior management, collaboration. Field experiences required. Non-majors only.

434 Prescriptive Programming for Learning and Behavior Disordered Children. (3) I, II. Prerequisites: SED 351 and 356; or instructor approval. Recommend Corequisite SED 375. Curriculum design, analysis, and application of instructional materials for learning and behavior disordered students. Design, implementation, and evaluation of individualized educational programs.

435 Prescriptive Programming for Trainable Mentally Handicapped Students. (3) A. Prerequisites: SED 353 and 356; or instructor approval. Recommend Corequisite SED 375. Curriculum design, analysis, and application of instructional materials for trainable mentally handicapped students. Design, implementation, and evaluation of individualized programs based upon educationally relevant characteristics of trainable mentally handicapped students.

436 Early Childhood Intervention Programming. (3) I. Developmental-ecological intervention methods and materials for at-risk, functionally-delayed and handicapped 0-5 young children. Curriculum design across developmental domains with emphasis on self-help, cognitive, and social-emotional skills. Planning, implementing, monitoring, and evaluating IEP's and IFSP's for various settings and service delivery approaches.

438 Special Education Instructional Programs. (3) I, II. Working with parents of exceptional children. Roles and procedures of the special education teacher in resource room programs, self-contained classrooms, and itinerant settings. Special education planning, scheduling, program evaluation, and program development.

464 Language Disorders: Intervention. (3) II. Formerly SED 565. Prerequisites: SED 360 and 365. Study of language impairment in children and principles for remediation.

465 Disorders of Fluency. (3) I. Prerequisite: SED 275. Lectures and selected readings in the theoretical, etiological, and developmental views of assessment and management of stuttering problems in children.

474 Advanced Practicum in Speech Pathology. (2) I, II. Prerequisites: GPA of 2.8 in major and SED 374; or instructor approval. Advanced supervised clinical practice in communication disorders. May be retaken to a maximum of four hours.

475 Disorders of Phonation. (3) II. Prerequisites: SED 275 and 285. Lectures and selected readings in etiological perspectives of functional and organic voices disorders; assessment, classification, and treatment designs for vocal pathologies in children.

485 Audiologic Evaluation. (3) II. Prerequisite: SED 380. Principles of testing in pure-tone, immittance, speech threshold, sound discrimination, and masking. Techniques for interviewing, interpretation of results, and report writing. Procedures for calibration of audiometers.

486 Audiology Pre-practicum. (1) II. Prerequisite: SED 380. Simulated experiences pertaining to methodology and use of equipment for audiological evaluation, interviewing, interpreting test results, and report writing.

487 Aural Rehabilitation. (3) I. Formerly SED 587. Prerequisite: SED 485. Hearing aid evaluation, dispensing, and orientation; audiology in private practice; auditory, visual, tactile-kinesthetic perception; management of speech production; educational audiology; speech reading and auditory training; importance of parental participation.

488 Practicum in Audiology. (1) II, A. Formerly SED 477. Prerequisites: SED 380, 485, 486, and 487. Supervised clinical practice in audiology. May be retaken to a maximum of four credit hours.

499 Supervised Student Teaching in Special Education. (6-12) I, II. Prerequisite: advisor approval. Observation, participation, and teaching or clinical work in the special educational situation in the selected area of exceptionality.

507 Problems in Special Education:____. (1-3) A. Prerequisite: advisor/departmental approval. School-related work, special workshops, special seminars. May be retaken with different descriptions.

510 Assessment, Curriculum, Methods in Content Area for Hearing Impaired. (3) A. Prerequisites: SED 240 and 260; or instructor approval. Basic types and properties of standardized norm-referenced, criterion-referenced, and informal tests. Sample curriculi from schools for deaf in content areas: science, math, social science. Teaching methods for visual-gestural learners.

512 Computer Technology with Exceptional Populations. (3) I, II. Prerequisites: pass College of Education computer literacy test and introductory course in special education. Educational applications of computer technology with handicapped individuals, infants through adult. Identification, evaluation, and operation of software, hardware, and adaptive devices in accordance with ethical practices. (Lec/Lab)

518 Special Education in Early Childhood. (3) I, II. Prerequisites: SED 104 or 575 and 260; or instructor approval. Overview of special education services and legislation related to handicapped young children ages birth to six; impact of handicaps across developmental domains.

520 Non-Oral Communication Systems. (3) A. An overview of various approaches to aided non-oral systems of communication. Various devices and symbol systems will be discussed.

564 Diagnostic Practicum in Speech Pathology. (1) A. Prerequisites: SED 474 and major GPA of 2.8. Supervised diagnostic practice in communication disorders. May be retaken to a maximum of six hours.

574 Field Experiences with Exceptional Learners. (3) A. Prerequisite: departmental approval. A practicum experience with exceptional individuals. Emphasis is directed at behavior management, educational assessment, and IEP/IFSP.

575 Nature and Needs of Exceptional Students. (3) A. Overview of special education including characteristics, definitions, programming, and supporting research. Open to non-majors.

576 Introduction to Special Education Assessment. (3) A. Prerequisite: SED 575 or instructor approval. Principles of tests and measurements. Test administration, scoring, and interpretation applied to LBD, HI, and TMH. Application of assessment data to interdisciplinary teams.

577 Mental Retardation. (3) A. Prerequisite: SED 575 or instructor approval. Mental retardation as an educational, psychological, and sociological phenomenon. Definitions, characteristics, theoretical foundations, and programmatic approaches.

578 Behavior Disorders. (3) A. Prerequisite: SED 575 or instructor approval. Behavior disorders and/or emotional disturbances as an educational, psychological, and sociological phenomenon. Definitions, characteristics, theoretical foundations, programmatic approaches.

579 Learning Disabilities. (3) A. Prerequisite: SED 575 or instructor approval. Definition and assessment of learning disabilities. Emphasis on theories related to specific teaching methodologies.

581 Speech for the Hearing Impaired. (3) A. Prerequisites: SED 260 and 338; or instructor approval. Phonological development, acoustic articulation, rhythm, phrasing, accent, fluency, effects of impairment on speech, speech reading, auditory training.

590 Behavior Modification in School Settings. (3) A. Prerequisite: SED 575 or instructor approval. Behavior analysis applied to classroom and instructional management. Development of skills in data collection, intervention procedures, and evaluation of behavior change.

591 Instruction of Secondary Learning and Behavior Disordered Students. (3) A. Prerequisites: SED 104 and 351; or instructor approval. Problems of students with learning and behavior disorders in secondary school settings. Programming and instructional alternatives for secondary level education. Planning for transition to work and community.

593 Teaching Students with Learning and Behavior Disorders. (3) A. Prerequisite: SED 575, 576, 578, 579, or instructor approval. Individual Education Programs for LBD students, based on assessment information and in accordance with legal mandates and regulations. Curriculum designs, material, and program evaluation.

GRADUATE COURSES

707 Problems in Special Education:_____. (1-3) A.
710 Assessment, Curriculum, Methods in Content Area for Hearing Impaired. (3) A.
712Computer Technology with Exceptional Populations. (3) I, II.
718 Special Education in Early Childhood. (3) I, II.
720 Non-Oral Communication Systems. (3) A.
764 Diagnostic Practicum in Speech Pathology. (1) A.
774 Field Experiences with Exceptional Learners. (3) A.
775 Nature and Needs of Exceptional Students. (3) A.
776 Introduction to Special Education Assessment. (3) A.
777 Mental Retardation. (3) A.
778 Behavior Disorders. (3) A.
779 Learning Disabilities. (3) A.
781 Speech for the Hearing Impaired. (3) A.
790 Behavior Modification in School Settings. (3) A.
791 Instruction of Secondary Learning and Behavior Disordered Students. (3) A.
793 Teaching Students with Learning and Behavior Disorders. (3) A.
800 Exceptional Learners in the Regular Classroom. (3) A.
801 Advanced Assessment and Intervention for Early Childhood. (3) A.
802 Psychology of Exceptionality. (3) A.
803 Advanced Special Education Assessment. (3) A.

804 Educational Management of Learning and Behavior Disordered Students. (3) A.
805 Roles of Special Educators. (3) A.
806 Educational Management for the Trainable Mentally Handicapped. (3) A.
807 Special Education:____. (1-3) A.
808 Multihandicapped Hearing Impaired. (3) A.
809 Diagnostic/Prescriptive Teaching of the Hearing Impaired. (3) A.
810 Special Education Leadership and Administration. (3) A.
814 Special Education Consultation and Supervision. (3) A.
816 Practicum in Special Education Administration. (6) A.
820 Language Disorders of Exceptional Children. (3) A.
830 Survey of Education for the Hearing Impaired. (3) A.
832 Advanced Language for the Hearing Impaired. (3) A.
841 School Methods in Communication Disorders. (3) I, II.
861 Communication Disorders in Atypical Populations. (3) A.
862 Cleft Palate and Craniofacial Anomalies. (3) A.
863 Motor Speech Disorders. (3) A.
864 Graduate Practicum: Audiology. (1) A.
865 Language Disorders of Learning-Disabled Children. (3) A.
866 Seminar in Pragmatics. (3) A.
867 Advanced Language Assessment. (3) A.
872 Speech and Hearing Science. (3) II.
873 Seminar: Articulation Disorders. (3) A.
874 Graduate Practicum: Speech-Language Pathology. (1) A.
875 Seminar: Aphasia. (3) A.
876 Seminar: Phonation Disorders. (3) A.
877 Seminar: Fluency Disorders. (3) A.
878 Cleft Palate and Cerebral Palsy. (3) A.
886 Seminar in Special Education. (3) A.
897 Practicum In Special Education. (3-6) A.
898 Project Development. (3) A.
899 Specialist Project. (3) A.

COLLEGE OF HEALTH, PHYSICAL EDUCATION, RECREATION, AND ATHLETICS

ROBERT J. BAUGH, DEAN

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Contemporary American society's concern for leisure, recreation alternatives, fitness, and healthful living is manifested by the expansion of vocations associated with these human needs and documented by the media's attention to these topics. The College of Health, Physical Education, Recreation, and Athletics has as a central focus the preparation of professionals to serve the public in these areas. Providing opportunities for enjoyment of leisure and the development of skills and habits necessary for full participation in healthful living are equally significant college functions. The utilization of all human resources in a complex technological society demands the full development of human potential.

PHILOSOPHY

The College recognizes the commonalities and interrelationships in an alliance of the disciplines of health, physical education, and recreation, and the area of athletics. In view of this, the College gives emphasis to the human factors involved in movement, mental and physical well-being, leisure, and skilled motor performance. These human factors are inextricably a part of the cognitive, affective, and psycho-motor domains of the human being. The College acknowledges the need for the development and maintenance of a healthy human body that can respond effectively to the increasing demands of an ever-changing multifaceted society.

GOALS

The College of Health, Physical Education, Recreation, and Athletics has the purposes: (1) to provide quality teaching and an atmosphere that is conducive to learning; (2) to provide a program of academic advising for students majoring in programs within the college; (3) to provide selected general education courses; (4) to offer associate, baccalaureate, graduate, and non-degree programs that meet students' interests and needs; (5) to cooperate with other colleges in offering degree and non-degree programs that meet students' interests and needs; (6) to provide leisure, academic, and wellness services to the University; (7) to provide public services in faculty areas of expertise; (8) to support and engage in research which contributes to quality teaching and learning, to improvement of various disciplines, and to needed public service; (9) to promote high level wellness as a way of life; and (10) to provide an NCAA division I level intercollegiate athletic program in a variety of sports and open to students of diverse backgrounds.

DEGREE PROGRAMS

Through its departments, the College offers three baccalaureate degree programs with 12 program options, and a two-year Associate of Science curricula for undergraduate students. At the graduate level, the college offers Master of Science degrees in physical education, including a sports administration option, and recreation and park administration. The College of Education offers the Master of Arts in Education with an emphasis in school health, allied health sciences education, and physical education. The College of Social and Behavioral Sciences offers the Master of Public Administration with an option in community health administration. The Departments of Health Education and Physical Education offer Rank II and Rank I certification in conjunction with the College of Education. The departments in the College of Health, Physical Education, Recreation, and Athletics cooperate in presenting these programs, which are described in the *Graduate Catalog*.

DEGREE REQUIREMENTS

General University requirements described on page 25 in Part Three of this *Catalog*, as well as specific course requirements set forth in the description of curricula, must be met by students completing associate and baccalaureate programs administered by the College of Health, Physical Education, Recreation, and Athletics. See programs under each department for major and minor requirements. Common to all programs is the Academic Orientation course (CHO 100) of the College of Health, Physical Education, Recreation, and Athletics.

CHO—Health, Physical Education, Recreation, and Athletics Orientation

100 Academic Orientation. (1) I. Designed to orient the student to university academic life and provide information on careers and preparation for them. Learning experiences include study of university regulations, college requirements, catalog, registration, career opportunities, and program requirements. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned.

DEPARTMENT OF HEALTH EDUCATION

The Department of Health Education provides specialized courses in health education at the graduate and undergraduate level. At the undergraduate level, the department offers a Bachelor of Science in Health Education, with options in school health, community health, and wellness. A student may minor in either school health or community health.

DEPARTMENT OF PHYSICAL EDUCATION

The Department of Physical Education offers the Bachelor of Science degree in physical education with six different options. The options include K-12 teaching, non-teaching in general, athletic training, sports supervision, adult physical fitness, and wellness. Students electing a teaching certificate must complete specified courses as set forth by the College of Education. It is recommended that students pursuing the non-teaching options support the major with an appropriate emphasis. Positions as wellness, sport, dance, or fitness specialists in private organizations, agencies, and public non-school settings are available to persons with physical education background. A student may minor in physical education (non-teaching) or dance (non-teaching).

DEPARTMENT OF RECREATION AND PARK ADMINISTRATION

The Department of Recreation and Park Administration offers two undergraduate degree programs and a graduate degree program. The curricula are an interdisciplinary approach to develop students for specific job employment. Students receive training in the areas of communications, human and natural resources, cultural and physical studies, and management theory and skills. The focus is upon leading, developing, and administering recreation programs and park services in a variety of settings.

The two-year Associate of Science degree in recreation and park leadership is designed to prepare students for part-time/seasonal positions. The degree requires students to develop practical skills needed for paraprofessional recreation employment.

The four-year Bachelor of Science degree in recreation and park administration is designed to prepare students for beginning supervisory and administrative roles in recreation and park agencies. Core and supporting interdisciplinary course requirements provide students with knowledge and skills essential for leadership in providing leisure services. The department requires students to complete a curriculum option that is most suited to their professional and career goals.

A minor in recreation and park administration is offered to students majoring in other disciplines. Minor requirements may be designed to enhance the interactions between the student's major field of study and the leisure services content.

GRADUATE COURSE CREDIT

Courses numbered in the 500 series are open to seniors who meet course and program prerequisites. Additional appropriate experiences are required of all graduate students enrolled in the 700 series. Courses numbered in the 800 series are open only to graduate students.

INTERCOLLEGIATE ATHLETICS

R. Kidd, Athletics Director
M. Mullins, Associate Athletics Director
S. Angelucci, Assistant Athletics Director

Intercollegiate athletics is an integral part of the total college efforts in student development at Eastern. Experiences in athletics contribute immeasurably to the vitality and preparation of men and women for leadership positions in communities, in schools, and in other agencies throughout the Commonwealth and the nation.

The University provides 15 varsity sports within the Division of Intercollegiate Athletics. Varsity competition is organized within the National Collegiate Athletic Association and Ohio Valley Conference.

Eastern historically has been recognized for its competitive teams and its contribution to preparation of coaches, athletes, trainers, and other educational athletic professionals. Its athletes have won many individual national honors, and an impressive number have gone on to compete on national or professional teams.

Physical facilities for intercollegiate sport have kept pace with the success of teams. The support of the alumni and the community has proved to be a significant element in the continuing progress of program development.

INTRAMURAL PROGRAMS

M. W. Jennings, Director
J. Worthington, Assistant Director

The Division of Intramural Programs offers the university community a full range of recreational sports activities including: competitive team sports, dual and individual sports, informal recreation, club sports, special events, outdoor trips, and outdoor equipment rentals. The division conducts programs at three indoor facilities and at the McDonough Intramural Fields.

DEPARTMENT OF

HEALTH EDUCATION

D. Calitri, Chair; Blankenship, Cahill, Camarata, Erdmann, Ferguson, Geha, Grimes, Higgins, Ison, McGuire, Ramsdell, Tanara, Thompson, Ward.

The purposes of the Department of Health Education are to provide programs in health education, with options in school health, community health, and wellness. The department offers minors in school health and community health. The department also teaches Personal and Community Health (HEA 281) as a part of the General Education component for all students.

Health Education

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 30-40 hours
- **Core ..... 21 hours**
  HEA 290, 315; 345 or 595; 375 or 592; 380, 450, 555, and one of the following options:
- **Options ..... 6-19 hours**
  - **Community Health ..... 19 hours**
    HEA 360, 440, 463+, 516, and six hours from HEA 498, 590, 593, or SOC 353.
  - **School Health, K-12 (Teaching) ..... 6 hours**
    EME 586 and three hours from HEA 390, 391, 498, 590, 593, 595, PHE 315, or ELE 365.
  - **Wellness ..... 19 hours**
    HEA 203, 360, 472+, PHE 315, 325, and 333.

Supporting Course Requirements ..... 9-33 hours
- **All Options ..... 8 hours**
  HEA 202, BIO 301, and NFA 201.

Community Health ..... **4 hours**
HEA 203 and PHE 325.
School Health, K-12 (Teaching) ..... **1 hour**
BIO 378.
Wellness ..... **24-25 hours**
PHE 312, 320, 335; 241 or 242 or 340; REC 102, 411, 460, PSY 202, and BIO 171.

Teacher Education Requirements (School Health Option) ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 487, 498, and 499.

General Education Requirements ..... **42-46 hours**
Standard General Education program, excluding course category 13 for School Health, K-12 (Teaching) option. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
CHO 100 and eight hours of restricted electives.

Free Electives ..... **1-21 hours**
Community Health ..... **21 hours**
School Health, K-12 (Teaching) ..... **13 hours**
Wellness ..... **1 hour**

Total Curriculum Requirements ..... **128 hours**

+Bachelor of Science degree students in the Community Health and Wellness Options are required to document a minimum of 200 hours of health education/wellness related experiences prior to enrolling in HEA 463, Field Experiences in Health Education, and HEA 472, Internship: Wellness.

MINOR IN SCHOOL HEALTH, K-12 (TEACHING)

Minor Requirements ..... **23 hours**
HEA 202, 290, 315; 345 or 595; 375 or 592; NFA 201, EME 586, and three hours from HEA 203, 380, 390, 391, 555, 590, or 593.

MINOR IN COMMUNITY HEALTH EDUCATION (NON-TEACHING)

Minor Requirements ..... **24 hours**
HEA 202, 203, 290, 315; 345 or 595; 360, 450, 516, and 555.

GRADUATE PROGRAMS

The Master of Arts in Education degree with an emphasis in allied health science education, school health education, and fifth and sixth year non-degree programs in school health education are supported by the Department of Health Education. The regulations for these degrees can be found in the College of Education section of the *Graduate Catalog*. The Department of Health Education offers graduate level courses in support of the Master of Public Administration - Community Health Administration option offered by the Department of Government. The requirements for this degree option can be found in the College of Social and Behavioral Sciences section of the *Graduate Catalog*.

Course Descriptions

HEA—Health Education

202 Safety and First-Aid. (2) I, II. Instruction and practice in first-aid and safety procedures. Includes assessment and first-aid procedures regarding life-threatening emergencies, injuries, medical emergencies, and rescues. Focus on prevention, as well as first-aid. Includes certification in Adult CPR. Credit will not be awarded to students who have credit for EMC 102.

203 Respiratory and Circulatory Emergencies (CPR). (1) I, II. Methods involved in the performance of cardio-pulmonary resuscitation. Completion of class certifies student with American Red Cross Community CPR. Credit will not be awarded to students who have credit for EMC 102.

281 Personal and Community Health. (2) I, II. Study of factors enabling intelligent health decisions as they relate to the physical, mental, and social health of self, family, and community at present as well as the years beyond the college days. Gen. Ed. 19.

290 Foundations of Health Education. (3) II. The history, foundational disciplines, and principles that led to the establishment of health education. The role of health education in the present health care system.

315 Contemporary Health Problems. (3) II. Etiology, effects, remediation, and prevention of selected current health problems. Nature of current health issues and forces which shape them.

345 Drugs, the Individual, and Society. (3) I, II. Effect of drug use and abuse on the individual and society. Personal and community approaches for promoting intelligent decision making regarding drugs.

349 Cooperative Study in Public Health. (1-8) A. Prerequisite: departmental approval. Work under faculty and field supervisors in a cooperative placement related to a student's academic studies. Credit varies with hours of employment; one to eight hours per semester or summer. May be retaken to a maximum of 12 hours. Minimum 80 hours employment required for each semester hour credit.

360 Community Health Education Process. (3) II. Planning, organizing, delivering, and evaluating the community health education program.

375 Family Life Education. (3) I. Biophysical and psychosocial aspects of family living. Development of a wholesome attitude and sound values system towards sexuality and family living for those planning to work in community agencies. Credit will not be awarded to students who have credit for CDF 232 or PHI 350.

380 Mental Health Education. (3) I. Basic needs for mental and emotional wellness. Emphasis in the selection of appropriate activities for promoting mental health through community agencies.

390 Instructor of Standard First Aid and Personal Safety. (1) A. Designed to develop individual teaching techniques for first aid and to provide adequate knowledge and skills for instruction. Successful completion leads to American Red Cross certification as a Standard First Aid and Personal Safety instructor.

391 Instructor of CPR. (1) A. Prerequisite: HEA 203 or current CPR certification. A course designed to prepare instructors to teach respiratory and circulatory emergencies (CPR). Certification to teach the American Red Cross Adult, Child, Infant, and Community CPR will follow successful completion. Other related pedagogical methods will be explored.

440 Interpersonal Skills in Community Health Education. (1) II. Communication and leadership skills useful to a person in community health education. Theory of and practices in group processes.

450 Interpretation of Health Data. (3) I. Understanding graphical, statistical, and research techniques used in health. Developing competencies in analyzing and interpreting research results. Credit will not be awarded to students who have credit for COR 308 or ECO 220 or ECO 824 or EPY 842 or PAD 308 or PSY 291 or STA 208 or STA 215 or STA 270.

463 Field Experiences in Community Health. (6) II. Offered cooperatively with official and voluntary agencies to seniors. Consists of actual field experiences and training in local and state health agencies with emphasis on application of classroom concepts.

472 Internship: Wellness. (1-6) A. Cross listed as PHE 472. Supervised experiences in the directing of wellness activities in various settings. May be retaken to a maximum of six hours. Credit will not be awarded to students who have credit for PHE 472.

498 Independent Study. (1-3) I, II. Opportunity for individual work on a health problem in a supervised situation. Restricted to students who have demonstrated ability to complete individual endeavors. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of three hours.

516 Public Health Administration and Laws. (3) II. Consideration given to organizational theory, decision making, leadership, principles of personnel and fiscal control, interpretation of state and local health laws, ordinances, and regulations.

555 Epidemiology. (3) I. Factors that affect the occurrence and courses of diseases—causative agents, susceptible hosts, favorable environments, and the effective use of statistical epidemiological methods.

590 Health Education:____. (1-3) A. Study of pertinent problems in health and health education. Includes topics such as: health care delivery, child abuse, teenage pregnancy, community health organizations, elementary school health curriculum, drug education, school health services, health deviations among students, sexually transmitted diseases, etc. May be retaken with advisor approval provided subtitle is different.

592 Human Sexuality. (3) A. Study of the biological, social, and psychological aspects of human sexuality. Directed primarily toward those individuals in situations which require them to assist others in understanding the broad impact of one's sexuality. Emphasis is placed upon student development of logical and reasoned justifications for their own value system.

593 Death and Grief. (3) A. A study of attitudes, behaviors, and issues concerning death and grief. Topics include responses to death and grief throughout the life cycle; process of grief and bereavement; theology and death; legal aspects of dying; care of the dying; suicide; post-mortem care; death education.

595 Alcohol and Alcoholism. (3) A. A study of cultural attitudes and customs regarding alcohol; biological, psychological, familial, and sociological impact of alcohol attitudes and behaviors; influences on alcohol choices; problem drinking and alcoholism, including prevention, intervention, and treatment.

GRADUATE COURSES

716 Public Health Administration and Laws. (3) II.
755 Epidemiology. (3) I.
790 Health Education:____. (1-3) A.
792 Human Sexuality. (3) A.
793 Death and Grief. (3) A.
795 Alcohol and Alcoholism. (3) A.
800 Advanced Health Science. (3) A.
807 Health:____. (1-3) A.
820 Utilization of Health Resources. (3) A.
875 Seminar in Contemporary Health Problems. (3) A.
880 Special Projects in Health. (1-3) A.
897 Thesis. (6) A.
898 Health Care Delivery. (3) A.
899 Practicum in Allied Health Sciences Education. (3) A.

DEPARTMENT OF
PHYSICAL EDUCATION

L. Davis, Chair; Adams, Askins, Barton, Calhoun, Carter, Chrietzberg, Clifton, Holmes, Inman, Jennings, Lichty, Martin, McAdam, Motley, Polvino, Rutherford, Taylor, Trainer.

The Department of Physical Education has two major components: (1) the professional component with academic programs to prepare students for careers in physical education, athletic training, sports supervision, adult fitness and wellness, and (2) the general component with fitness and wellness classes and lifetime activity courses for the general student population as well as faculty and staff.

PROFESSIONAL PHYSICAL EDUCATION COMPONENT

The major in physical education has six different options from which students may choose. Each student must complete one of the following options (12-21 hours):

Adult Physical Fitness. Preparation for position as physical fitness leader. May lead to ACSM certification (American College of Sports Medicine).

Athletic Training. Leads to eligibility for certification in athletic training by both the National Athletic Trainers Association and the Kentucky Board of Medical Licensure. (National and state examinations are required following graduation.)

General (Non-Teaching). General background for the person not planning to teach.

K-12 Teaching. Leads to elementary, middle, and secondary school certification.

Sports Supervision. Preparation for non-teaching positions in community and private sport settings.

Wellness. Preparation for careers in wellness. May lead to ACSM certification (American College of Sports Medicine).

Physical Education

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 36-46 hours
- **Core ..... 24-25 hours**
  PHE 125, 312, 315, 320, 325, 467, 575; PHE 241, 242, or 340; three hours individual or team sports; current CPR certificate at time of graduation; and each student must complete one of the following options:
- **Options ..... 12-21 hours**
  - **Adult Physical Fitness ..... 17 hours**
    PHE 327, 333, 335, 471, and 562.
  - **Athletic Training ..... 21 hours**
    PHE 398, 401, 402, 403, 515, 523, and 562.
  - **General (Non-Teaching) ..... 16 hours**
    PHE 327, 365, 400, and seven additional hours of sports skills.
  - **K-12 Teaching ..... 19 hours**
    PHE 300, 310, 323, 365, 400, 562, and two additional hours of sports skills.
  - **Sports Supervision ..... 17 hours**
    PHE 327, 400, 470, two hours coaching elective, and three additional hours of sports skills.
  - **Wellness ..... 12 hours**
    PHE 333, 335, and 472.

Supporting Course Requirements ..... 8-26 hours
- **All Options ..... 6 hours**
  BIO 171 and 301.
- **Adult Physical Fitness ..... 8 hours**
  NFA 201, REC 411, and HEA 202.
- **Athletic Training ..... 10-13 hours**
  Three hours from PSY 202, 305, 314, or EPY 318; HEA 202 or EMC 110; NFA 201; and two hours coaching elective.
- **General (Non-Teaching) ..... 2 hours**
  HEA 202.
- **Sports Supervision ..... 11 hours**
  HEA 202, REC 102, 406, and three hours from CIS 212, GBU 204, ACC 201, or PUB 530.
- **Wellness ..... 20 hours**
  NFA 201, HEA 202, 315, 360, 380, REC 411, and 460.

Teacher Education Requirements (K-12 Teaching Option) ..... 34 hours
EDF 102, 202, 317, EPY 318, ESE 466, 498, 499, EME 324, and ELE 541.

General Education Requirements ..... 40 hours
Standard General Education program, excluding course categories 13 and 15. Refer to Part Three of this *Catalog* for details on the General Education and University Requirements.

University Requirements ..... 9 hours
CHO 100 and eight hours of restricted electives.

Free Electives ..... 0-31 hours

Total Curriculum Requirements ..... 128-132 hours

MINOR IN DANCE (NON-TEACHING)

Minor Requirements ..... 18 hours
PHE 200, 250, 300, 345, 550, and six hours physical education dance electives approved by department chair.

MINOR IN PHYSICAL EDUCATION (NON-TEACHING)

Minor Requirements ..... 18 hours
PHE 125, 315, six hours sports skills classes, and six hours approved by the department chair.

ATHLETIC TRAINING CERTIFICATION (NON-MAJORS AND MAJOR EQUIVALENT)

Students pursuing majors other than the B.S. degree in physical education may prepare for both the state and national certification examinations by earning another university degree, completing a NATA major equivalent (NATA standards effective 1990), and working at least four consecutive semesters under NATA approved clinical instructors. Course requirements for a NATA major equivalent include BIO 171, 301; EMC 110 or HEA 202; HEA 203 or current CPR certification; NFA 201, PHE 312, 315, 320, 325, 398, 401, 402, 403, 515, 523, 562, 575; PSY 202, 305, 314, or EPY 318; and two hours from PHE 261, 360, 362, 420, or 512. PHY 101 and CHE 101 are recommended but not required. Many graduate programs in athletic training require undergraduate chemistry and physics.

COACHING ENDORSEMENT

Any student may complete the requirements for a coaching endorsement by taking 11 to 12 hours of HEA 203 or CPR certification; PHE 312; 315 or 325; 523, and two hours coaching electives.

ELEMENTARY PHYSICAL EDUCATION ENDORSEMENT

Undergraduate secondary school physical education majors may become certified for teaching elementary school physical education by completing PHE 300, 310, and 323, a course in curriculum design (ELE 541 recommended), an elementary methods course (EME 324 recommended), and a course in child development (EDF 317 recommended).

Graduate students with a secondary school physical education major may become certified for teaching elementary school physical education by completing PHE 790, 833, EME 796; ELE 741 or 810; an elementary methods course, and a course in child growth and development.

GRADUATE PROGRAMS

The Master of Science degree in physical education with a sports administration option is offered in the Department of Physical Education. The Master of Arts in Education degree in physical education, fifth and sixth year non-degree programs in physical education, the elementary school physical education endorsement for graduate students, and the Specialist in Education degree in physical education are supported by the Department of Physical Education and can be found in the College of Education section of the *Graduate Catalog*.

Course Descriptions

PHE—Physical Education

125 Introduction to Physical Education. (3) I, II. Orientation to the profession and its interdisciplinary bases. Includes introduction of professional leadership, publications, and career opportunities with an investigation of basic movements and their relationship to improvement of motor skills.

200 Heritage of Dance. (3) I, II. Dance as primitive magic and as creative art in contemporary society. Gen. Ed. 07.

214 Lifetime Sports Skills. (3) I, II. Basic knowledge and skill development in carry-over sport activities used throughout life.

220 Team Sports I. (2) I. Basic skills, strategy, rules, officiating, and teaching techniques related to flag football and basketball.

224 Team Sports II. (3) I, II. Basic skills, strategy, rules, officiating, and teaching techniques related to volleyball, soccer/speedball, and track and field.

225 Team Sports III. (2) A. Basic skills, strategy, rules, officiating, and teaching techniques related to field hockey and international team sports.

241 Swimming and Diving. (1) I, II. Prerequisite: HPR 282 swimming or equivalent. To acquaint students with the scope of aquatic activities; develop swimming skills and endurance to intermediate level; gain understanding of fundamental mechanical principles; and basic safety skills.

242 Advanced Lifesaving. (1) I, II. Prerequisite: ability to pass American Red Cross swimming test. Advanced technique of water safety and rescue; American Red Cross Certification awarded to those who qualify.

250 Dance Production and Workshop I and II. (1) I, II. Dance technique, primarily modern, with opportunities for preparation, technical production, or performance of group dance compositions, culminating in a concert presentation. May be retaken to a maximum of three hours.

261 Coaching Baseball. (2) I, II. Theory and practice in coaching the fundamentals of baseball; team offense and defense.

300 Elementary Dance Forms. (3) I, II. Structured and creative movement experiences to include social, folk, square, and contemporary forms for a range of age groups.

305 Individual and Dual Sports I. (3) I, II. Basic skills, strategy, etiquette, rules, and teaching techniques related to tennis, golf, and badminton.

306 Individual and Dual Sports II. (2) A. Basic skills, strategy, etiquette, rules, and teaching techniques related to archery and bowling.

310 Physical Activity and Child Development. (3) II. Prerequisite: EDF 317. Understanding of major development and the improvement of human movement through developmental movement activities which are basic to readiness for performance at school.

312 Care and Prevention of Athletic Injuries. (3) I, II. Formerly PHE 410. Prerequisite: BIO 171. Course content incorporates an overview of the mechanism, prevention, management, and rehabilitation of athletic injuries. Practical experiences include the application of supportive techniques to the major joints of the body.

315 Philosophy and Principles of Physical Development. (3) I, II. Discussion, demonstration, and practice of various methods of developing physical fitness to include the influence of historical and contemporary research on physical education programs.

320 Kinesiology. (2) I, II. Prerequisite: BIO 171. Study of human movement through anatomical, physiological, and biomechanical concepts.

321 Basic Physical Recreation Activities. (2) I, II. Basic physical activities and methods of organization appropriate to the recreational setting.

323 Elementary Physical Education Movement Skills and Learning Domains. (3) I. Prerequisite: PHE 310 or instructor approval. Principles for integration of learning domains with program content in elementary physical education. Study of movement taxonomy, movement analysis, educational games, gymnastics, sports skills, and dance.

325 Physiology of Activity. (3) I, II. Prerequisite: BIO 301. Effects of physical activities on various systems of the human body.

326 History and Principles: Socio-Cultural Bases of Physical Education. (2) I. Prerequisite: three hours social science. Study of development of principles basic to decision making in multi-cultural physical education programs in historical and contemporary contexts; appreciation of the influence of historical events upon present day physical education.

327 Sport in American Society. (3) II. Impact of sport in American society with attention to relationship of political, economic, ethnic, and institutional forces operating within the phenomenon of sport.

333 Adult Physical Fitness Programs. (3) I. Prerequisites: BIO 171, 301, and junior standing. Practice and study of exercise programs meeting the guidelines of the American College of Sports Medicine (ACSM) for improving body composition and cardiovascular-respiratory function in adults.

335 Teaching Aerobic Dance. (3) I, II. A methods course for teaching aerobic dance-exercise. Students will learn movement and rhythmic fundamentals, effective teaching methods, how to develop appropriate and creative choreography, injury prevention, marketing techniques and legal issues involved in starting and running an aerobic dance-exercise class.

340 Advanced Swimming and Water Safety. (2) I, II. Prerequisites: proficient swimming skill and current advanced lifesaving certification (ARC or YMCA). Advanced swimming skills, water safety, lifeguarding, aquatic management, and teaching techniques of swimming. American Red Cross Water Safety Instructor awarded to those who qualify.

345 Ballet, Modern Dance, and Choreography. (3) I. Basic barre work, alignment, center combinations of ballet; modern technique, creative exploration, and choreography.

349 Cooperative Study. (1-8) A. Work in a cooperative placement related to student's academic studies. Satisfactory (S) or Unsatisfactory (U) grade. May be retaken to a maximum of eight hours. A minimum of 80 hours work required for each semester hour credit.

360 Coaching Basketball. (2) I, II. Theory and practice in coaching the fundamentals of basketball; team offense and defense.

362 Coaching Track and Field. (2) II. Theory and practice in coaching fundamentals involved in track and field.

365 Gymnastics. (3) I, II. Artistic and developmental gymnastics with emphasis on knowledge and skill required for safe, progressive instruction.

370 Practicum in Physical Education. (1-3) I, II. Overview of physical education teaching through consultation and application; students will experience teaching-learning situations by assisting with various curricular programs. May be retaken to a maximum of three hours.

383 Basketball Officiating. (1) II. Technique and skill of officiating, structure of officiating, and relationship between performance, behavior, and the official's duties.

398 Practicum in Athletic Training. (1-6) A. Formerly PHE 598. Supervised athletic training in a school, university, or clinic setting.

400 Organization of Recreational Sport Activities. (3) I, II. Theoretical and practical study of intramural recreational sports programming in institutional, agency, and private setting. Laboratory hours assigned. 2 Lec/2 Lab.

401 Assessment of Athletic Injuries. (2) I, II. Prerequisites: BIO 171, 301, and junior standing. Study of special techniques and problems in the recognition and management of athletic injuries at every level of competition.

402 Rehabilitation and Conditioning of Athletes. (2) I, II. Prerequisites: BIO 171, 301, and junior standing. This course is designed to give the student an overview of conditioning programs for athletic team members and therapeutic exercise programs.

403 Therapeutic Modalities for Athletic Training. (3) I, II. Prerequisites: BIO 171, 301, PHE 312, and 401. Study and practice related to the physiological effects of heat and cold; the therapeutic indications and contraindications of such modalities as heat, cold, electricity, ultrasound, and water.

420 Coaching Football. (2) I, II. Theory and practice in coaching the fundamentals of football; team offense and defense.

467 Skill Acquisition. (3) I, II. Practical application of principles of learning and performing motor skills taught in the physical activity environment and the influence of historical events on research in the area of skill acquisition.

470 Internship: Sport Supervision. (1-6) A. Supervised experiences in the directing of sports and physical activities in various settings. May be retaken to a maximum of six hours.

471 Internship: Adult Fitness. (1-6) A. Supervised experiences in the directing of adult fitness activities in various settings. May be retaken to a maximum of six hours.

472 Internship: Wellness. (1-6) A. Cross listed as HEA 472. Supervised experiences in the directing of wellness activities in various settings. May be retaken to a maximum of six hours. Credit will not be awarded to students who have credit for HEA 472.

485 Independent Study. (1-3) I, II. Individual work on a physical education related problem in supervised situation. Restricted to undergraduate physical education major or minor student. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

512 Coaching Volleyball. (2) A. Examination of fundamental skill and strategies, analysis of basic styles of individual and team performance, and management skills necessary for coaching effectiveness.

515 Advanced Techniques of Athletic Training. (3) I, II. Study of specialized athletic training techniques, including use of electrical therapy devices.

523 Psychology of Sport and Coaching. (3) I. Behavioral aspects related to sport, coaching, and the athlete in contemporary society; factors affecting performance in a competitive setting investigated.

550 Advanced Dance Production and Workshop I and II. (1) I, II. Choreography, production, and concert presentation on advanced level. May be retaken to a maximum of two hours.

562 Physical Education for the Exceptional Individual. (2) I, II. Principles and practices of adapted physical education emphasizing the nature and needs of exceptional persons. Includes history, recent legislation, growth and development factors, assessments, and individual education plans.

575 Tests and Measurements in Physical Education. (3) I, II. Administration and scoring of tests; evaluation of use of results obtained.

590 Special Topics in Physical Education. (1-4) A. Study of various topics in physical education and sport selected to meet special student needs and interests. May be retaken to a maximum of six hours with advisor's approval provided subtitle is different.

GRADUATE COURSES

712 Coaching Volleyball. (2) A.
715 Advanced Techniques of Athletic Training. (3) I, II.
723 Psychology of Sport and Coaching. (3) I.
750 Advanced Dance Production and Workshop I and II. (1) I, II.
762 Physical Education for the Exceptional Individual. (2) I, II.
775 Tests and Measurements in Physical Education. (3) I, II.
790 Special Topics in Physical Education. (1-4) A.
800 Research in Physical Education/Recreation. (3) I.
820 Administration of Physical Education. (3) I.
821 Physiological Bases of Physical Fitness. (3) I.
822 Sociology of Sport. (3) II.
824 Contemporary and Comparative Physical Education. (3) A.
831 Laboratory Methods in Exercise Physiology. (3) II.
833 Motor Development. (3) A.
835 Legal Issues in Sport. (3) II.
839 Cooperative Study: Physical Education, Sports Administration Option. (1-6) I, II.
848 History of Physical Education and Sport. (3) A.
851 Equipment and Facilities in Physical Education. (3) I.
852 Motor Learning and Performance. (3) II.
869 Organization and Administration of Athletics. (3) II.
870 Internship in Sports Administration. (1-6) I, II.
875 Seminar in Physical Education. (3) II.
885 Independent Study. (1-3) I, II.
891 Issues in Physical Education. (3) I.
895 Assessment in Physical Education. (3) II.
897 Thesis. (3-6) A.

General Physical Education Component

L. Davis, Coordinator

Recognizing the unity of mind and body, the General Physical Education program is concerned with the student's total development through planned experiences, primarily physical in outward manifestation, but mental, emotional, social, and moral in relationships and meanings. HPR 180 and HPR 282 are the department's unique contribution to general education, the non-specialized, non-vocational component of education which should be commonly possessed by all. Adapted sections for special needs students are offered each semester.

Specifically, the objectives of the General Physical Education program are to help students: (1) develop an appreciation and understanding of the need for and the benefits of regular physical activity in our changing culture; (2) develop an understanding of the basic principles involved in the development and maintenance of physical fitness; (3) achieve and maintain organic efficiency: (4) develop fundamental physical skills for recreation, safety, survival, self-expression, and creativity; (5) acquire knowledge of the rules, strategies, techniques, customs, and historical development of selected recreational sports; (6) find healthful, satisfying release from tensions; and (7) utilize leisure hours in a worthy way through satisfying recreational activities that contribute to physical, emotional, and social well-being.

Course Descriptions

HPR—General Physical Education

180 Fitness and Wellness. (1) I, II. An examination of wellness concepts associated with physical and motor fitness with lecture and laboratory experiences for individual assessment, practice of exercise systems, and improvement of body function. Gen. Ed. 17.

282 Exercise, Movement, and Sports Skills. (1) I, II. Course focuses on skill acquisition and improvement of function through selected activities in sports, dance, aquatics, and exercise systems. Gen. Ed. 18.

Lifetime Activity Series

The Lifetime Activity Series provides an extension of HPR 282. Courses are designed for students interested in either developing advanced skills or learning new skills which may be used during their lifespan.

Course Descriptions

HPR—Lifetime Activity Series

190 Wellness Experience: ____. (1-2) I, II. This course will offer wellness activities of current interest and/or need for students. May be retaken to a maximum of six hours if subtitles are different.

390 Lifetime Activity Series: ____. (1/2-2) I, II. A series of activities suitable for participation throughout life. Includes rules, skills, techniques, and strategies. May be retaken to a maximum of four hours toward graduation requirements.

DEPARTMENT OF

RECREATION AND PARK ADMINISTRATION

L. Belknap, Chair; Moretz, Nieland, Stephan.

Programs offered by the department are designed to develop competencies needed for administration, supervision, and leadership of leisure services. They focus upon planning, organizing, and administering recreation programs and park services in a variety of settings.

Students, based on their special interests or strengths in a particular recreation setting, will concentrate more fully in their preparation for employment by selecting one of the following options:

1. *Leisure/Recreation Program Delivery* - for individuals interested in preparation for employment as a leader, programmer, or supervisor in a public, private, commercial, or youth serving agency.
2. *Outdoor Recreation/Environmental Education Track* - for individuals concerned with environmental quality and desiring to work in an outdoor setting as an adventure programmer, park supervisor, or environmental education specialist.
3. *Therapeutic Recreation* - for individuals interested in serving the needs of disabled persons in hospitals, clinics, and long term homes. This option is also for individuals interested in serving incarcerated persons in juvenile centers and correctional facilities.

The baccalaureate degree program in recreation and park administration is fully accredited by the National Recreation and Park Association/American Association for Leisure and Recreation Joint Council on Accreditation.

The Bachelor of Science degree program leads to certification as a Certified Therapeutic Recreation Specialist or as a Certified Leisure Professional.

It is recommended that all students carefully plan their courses in consultation with their faculty advisor. For the Associate of Science and Bachelor of Science degrees, a minimum grade of "C" is required in all REC courses specified for the major. Bachelor of Science degree students are required to document a minimum of 200 hours of recreation leadership experience prior to enrolling for the senior seminar class.

Recreation and Park Administration

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 48-50 hours

Core ..... 32 hours
REC 101, 102, 263, 300, 309, 311, 450, 460, 463, and 501; and one of the following options:

Options ..... 16-18 hours

Leisure/Recreation Program Delivery ..... 16-17 hours
REC 310, 350, 406, 530, SOC 131, and PHE 241, 242, or 340.

OutdoorRecreation/Environmental Education ..... 16-17 hours
REC 406, 516, 521, 530, GEO 302, and PHE 241, 242, or 340.

Therapeutic Recreation ..... 17-18 hours
REC 411, 511, 512, BIO 171, AHN 105; PHE 241, 242, or 340; and PHE 325.

Supporting Course Requirements (All Options) ..... 15 hours
CIS 212 or CSC 104; HEA 202, 203, PSY 201, 202, and SPE 100.

General Education Requirements ..... 46 hours
Standard General Education Program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
CHO 100 and eight hours of restricted electives.

Free Electives ..... 8-10 hours

Total Curriculum Requirements ..... 128 hours

MINOR IN RECREATION AND PARK ADMINISTRATION (NON-TEACHING)

Minor Requirements ..... 19 hours
REC 101, 102, 300, 460, and nine additional hours from REC 309, 310, 311, 350, 409, 411, 511, 516, 521, or 530.

ASSOCIATE OF SCIENCE DEGREE CURRICULA

The two-year Associate of Science degree curriculum is designed to prepare students as a recreation technician or supervisor in a variety of recreation positions. At the end of two years, students who desire to continue their college education may enter the four-year program.

Recreation and Park Leadership

ASSOCIATE OF SCIENCE

Major Requirements ..... 22 hour
REC 101, 102, 201, 225, 263, 299, and six additional hou from REC 300, 309, 310, 311, or 350.

Supporting Course Requirements ..... 33 hours
CHO 100; CSC 104 or CIS 212; HEA 202, 203, 281, HPR 180, 282, SPE 100, six hours of English Composition*, three hours general education humanities*, three hours general education social science*, three hours general education natural science*, and four hours of restrictive electives.

Free Electives ..... 9 hours

Total Curriculum Requirements ..... 64 hours

GRADUATE PROGRAM

The Department of Recreation and Park Administration offers the Master of Science degree in recreation and park administration which enables graduates to become a Certified Leisure Professional through the National Recreation and Park Association.

Course Descriptions

REC—Recreation and Park Administration

101 Leisure Services Careers. (1) I, II. Introduction to the broad scope of careers and employment in recreation, parks, and leisure services organizations.

102 Introduction to Recreation Leadership. (3) I, II. Techniques of leadership in working with individuals in groups in various settings. Methods of organization, guidance, and supervision of program activities.

201 Camp Counseling. (3) I. Concentration is on knowledge of the camping movement, leadership, and camp counseling techniques. Practical experiences are required including a weekend overnight.

225 Education for Leisure and Recreative Living. (3) I, II. Comprehensive study of recreation services and objectives. Visits to observe programs in action., Agency representatives lecture. The role of leisure in a quality life, planning for the new leisure, self motivation toward constructive use of uncommitted time, and development of knowledge and attitude toward recreative living.

263 Fieldwork I. (2) A. Exploratory on-site practical experience in a recreation and/or park agency. Observe activities and lead programs requiring recreation leadership.

299 Fieldwork II. (2 or 4) A. Plan and direct various activities requiring program organizational skills and knowledge. Apply and test classroom concepts and develop practical skills.

300 Recreation and Leisure Foundations. (3) I, II. Prerequisite: REC 102 or advisor approval. An in-depth study of the theory and nature of recreation; the impact of leisure on the quality of life for individuals and society; the role of agencies in provision of services; and the professional's role in education for leisure and the building of positive leisure lifestyle(s).

309 Recreation Services Assessment. (3) II. Assessment of recreation needs, interests, and agency effectiveness. Evaluation activities, and research and computer applications as related to recreation services will be the focus of this course.

310 Leisure Delivery Systems. (3) II. Opportunity to analyze leisure service delivery systems. In-depth look at program services of public, private, quasipublic, and commercial agencies.

311 Therapeutic Recreation for Special Populations. (3) A. Leisure problems for aging citizens, handicapped individuals, hard-to-reach and delinquent youth, incarcerated individuals, and armed forces personnel. Modification of program activities and settings, uses of community resources, rehabilitation processes, facility management, and financing.

349 Cooperative Study in Recreation and Park Administration. (1-8) A. Prerequisite: departmental approval. Work under faculty and field supervisors in a cooperative placement related to student's academic studies. Credit varies with hours of employment; two or four hours per semester or summer. Minimum 80 hours work required for each academic credit.

350 Analysis and Supervision of Recreation. (3) I. Analysis of employee procurement, training, motivation, and supervisory techniques.

406 Planning, Design, and Maintenance of Recreation Facilities. (3) II. Planning principles and procedures of recreation and park areas. Facilities, design problems, details of structure and equipment, master planning methods, study of standards and trends.

409 Independent Study. (1-3) A. Prerequisites: for majors and minors only and advisor/instructor approval. Independent study of special topics and problems through directed readings and research. May be retaken to a maximum of three hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

411 Therapeutic Recreation Services for the Senior Adult. (3) I. Leisure problems, needs of senior adults, basic terminology, facilities, administrative organization, programming, organizations and agencies for senior adults, and trends.

450 Senior Seminar. (3) I, II. Prerequisites: REC 263 and 350. Introduction to the senior practicum and professional work requirements and the identification and study of present trends.

460 Advanced Leadership and Programming. (3) I, II. Comprehensive course in recreation program planning, development, and leadership techniques with individuals and groups. Students plan a one-year program. 2 Lec/2 Lab.

463 Practicum. (8) A. Prerequisites: REC 450 and 460. Students work in a recreation agency to lead and develop recreation programs, supervise personnel and facilities, and perform administrative duties. A minimum of 480 clock hours over 10-12 weeks.

501 Recreation and Park Administration. (3) I. Community organization, administrative practices, legal aspects, recruiting, selecting leaders, personnel practice, and public relations.

511 Therapeutic Recreation Practices and Services. (3) II. Prerequisite: instructor approval. Terminology and programming in a therapeutic setting. Modification of leadership techniques and activities adaptation for the ill and handicapped. Field trips to observe programs.

512 Management of Therapeutic Recreation Services. (3) I. The focus is on management concepts as applied to the delivery of therapeutic recreation services and includes: documentation, activity analysis, charting, assessment, liability and legislation. Competencies are developed in marketing for exceptional groups, leisure counseling, and administration.

516 Teaching/Learning Out-of-Doors. (3) A. The out-of-doors is explored for teaching/learning possibilities across the curriculum using a wide variety of environmental materials. The 4-MAT Learning Styles System is utilized.

521 Camp Administration. (3) II. Prerequisite: REC 201 or instructor approval. Camp organization, business management, staffing, and program administration for different types of camps. Selection and development of campsites. A supervised practical experience is required.

530 Park Management. (3) II. Park purposes and operations with an emphasis on natural resources and visitor management. Concentration on design, resource conservation and preservation, public relations, and park policies.

590 Special Topics: ____. (1-3) A. Identification and study of specialized techniques in recreation leadership, activity skills, operational methods, and services. May be retaken under different workshop title.

GRADUATE COURSES

701 Recreation and Park Administration. (3) I.
711 Therapeutic Recreation Practices and Services. (3) II.
712 Management of Therapeutic Recreation Services. (3) I.
716 Teaching/Learning Out-of-Doors. (3) A.
721 Camp Administration. (3) II.
730 Park Management. (3) II.
790 Special Topics: ____. (1-3) A.
800 Research in Physical Education/Recreation. (3) II.
809 Independent Study. (1-3) A.
815 Practicum in Recreation. (1-3) A.
825 Philosophy and Trends in Recreation and Leisure. (3) I.
840 Administrative Processes and Practices. (3) II.
845 Seminar: Problems in Recreation. (1-4) A.
897 Thesis. (6) A.

COLLEGE OF LAW ENFORCEMENT

TRUETT A. RICKS, DEAN

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The College of Law Enforcement at Eastern Kentucky University is one of the largest of its type in the United States and is one of the nine colleges that comprise the academic structure of the University. Within the College are the Departments of Correctional Services, Loss Prevention and Safety, and Police Studies. The College of Law Enforcement exists in response to a changing, dynamic society which demands qualified professional, well educated personnel. The College endeavors to meet this demand within the threefold purpose of the University—teaching, research, and service.

Certificate, associate, baccalaureate, and master's degree programs are offered by the College of Law Enforcement.

The College is committed to a career ladder concept by providing opportunities for students enrolled in or completing associate (two-year) degree programs to transfer to a corresponding baccalaureate (four-year) program within the same department with little or no loss of credit.

All departments in the College are housed in the Stratton Building, an outstanding and unique facility which is part of the Robert R. Martin Law Enforcement, Fire Science, and Traffic Safety Center. The building includes a 354-seat auditorium, two physical conditioning areas, a cafeteria, the Law Enforcement Library with over 20,000 holdings, and a training tank for underwater rescue and recovery training. The Center also features a seven-acre driving range and a 5.7 acre lake for aquatic safety, underwater rescue, and salvage training.

PURPOSES OF THE COLLEGE

Each program in the College provides students with an interdisciplinary education that is applied to a specific area of study. The purposes of these programs are: (1) to prepare citizens for productive citizenship roles; (2) to prepare personnel for positions in the private and public safety sectors of society; (3) to prepare personnel for teaching in one of the fields within each departmental area; (4) to conduct research in the broad areas contained within each departmental program; and (5) to provide service programs pertinent to the broad areas contained within each departmental program.

RESEARCH AND SERVICE

The College is involved in a variety of research and service activities for governmental agencies, public institutions, and private enterprise. Through the College, services such as direct training, competency based curriculum development, job task analysis, instructional media production, conferences, and seminars are available to public and private agencies. Individual faculty also serve as consultants and do research for a variety of organizations and frequently provide lectures for operational programs, professional workshops, and professional conferences.

EXTENDED PROGRAMS

The College conducts extended campus classes throughout the central Kentucky area, including Fort Knox, Louisville, and Bowling Green. Such offerings make programs available to various agencies and military personnel.

FOUR-YEAR DEGREE PROGRAMS

The College offers baccalaureate programs in assets protection, corrections and juvenile services, fire and safety engineering technology, and police administration.

Program Options

The fire and safety engineering technology program has options in fire and arson investigation, fire protection administration, fire protection engineering technology, and industrial risk management.

Options in assets protection management, assets protection studies, computer and information security, and loss prevention and control are available through the assets protection program.

TWO-YEAR DEGREE PROGRAMS

At the associate degree level, the College offers programs in assets protection management, corrections and juvenile services, fire and safety engineering technology, and police administration.

MINORS

The following minors are available through the various programs in the College: assets protection management, corrections and juvenile services, fire and safety engineering technology, police administration, social justice, and traffic safety.

CERTIFICATES AND ENDORSEMENTS

The College offers a certificate program in adult corrections and a certificate of competency in fire and safety engineering technology. The Emergency Medical Treatment I course satisfies the prerequisite requirements for the Kentucky Cabinet for Human Resources Basic Emergency Medical Technician Certification. The College also offers a driver education endorsement for any secondary teaching major.

ADMISSION TO THE COLLEGE

Students seeking admission to the College of Law Enforcement must meet general University requirements and should indicate their intention to major in a program of the College.

After being admitted to the College, a student will be assigned a faculty advisor who will assist in selecting the proper courses leading to the desired degree.

FINANCIAL ASSISTANCE

Students in the College of Law Enforcement are eligible for financial aid in the form of scholarships, loans, grants, and employment, as are all other students in the University. If interested, students should contact the Division of Student Financial Assistance.

COURSE NUMBERING

Courses numbered 100 are freshman level; 200 are sophomore level; 300 are junior level; and 400 are senior level. Courses numbered in the 500/700 series are open to seniors and graduate students who meet course and program prerequisites. The 500 level courses are for seniors while the 700 level courses are reserved for graduate students. Additional appropriate experiences are required of all graduate students enrolled in the same course with undergraduates. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart. Courses numbered in the 800 series are open only to graduate students.

COURSE AND PROGRAM PREREQUISITES

Students are urged to review carefully all course and program prerequisites before scheduling courses. Prerequisites are necessary for the maintenance of quality teaching standards and must be observed. Failure to do so may result in the student's mandatory withdrawal from the course.

The Department of Correctional Services has specific requirements to be met before a student may enroll in a 300 level or higher COR course. The Department of Police Studies has specific requirements to be met before students who are majoring or minoring in programs within the department may enroll in a 200 level or higher PAD course. Requirements can be found under each department listing in this *Catalog*.

DEGREE REQUIREMENTS

General University requirements described beginning on page 25 in Part Three of this *Catalog*, as well as specific course requirements set forth in the description of curricula, must be met by students completing associate and baccalaureate programs administered by the College of Law Enforcement. See the program descriptions under each department for specific major and minor requirements. Common to all programs is the Academic Orientation (LEO 100) course of the College of Law Enforcement.

APPLICATION FOR PLANNED CURRICULUM

Upon completion of 12 hours toward the associate degree or 60 hours toward the baccalaureate degree, the student must go to the Office of the Dean to initiate a planned curriculum (which specifies the remaining graduation requirements). Any subsequent change in the planned curriculum must be proposed by the student on forms available from the Office of the Dean. Students must have a signed planned curriculum prior to applying for graduation. Any change of planned curriculum which is processed during the semester in which a student intends to graduate will defer that student's application for graduation until the next semester. On occasion a student's planned curriculum may contain an error; regardless, the student must complete all University requirements. The planned curriculum is only a guide; it is not binding.

The *Catalog* to be used in completing the planned curriculum is determined by the following. For general education requirements, a student is governed by the *Catalog* in use at the time the student enters the University. For major program requirements, full-time students use the *Catalog* in force when they declare a major; part-time students use the one in force when they sign a planned curriculum. However, a student may choose to use the current *Catalog*. If a student's enrollment is interrupted for more than one year, the student is governed by the *Catalog* in force when the student is readmitted.

APPLICATION FOR GRADUATION

It is the student's responsibility to file an application for graduation in the Office of the Dean no later than April 30 for December graduation and no later than October 31 for either May or August graduation. It is the student's responsibility to plan and register for the proper courses and to meet all graduation requirements.

GRADUATE PROGRAMS

The College of Law Enforcement offers course work leading to two Master of Science degrees: (1) in criminal justice with options in corrections and juvenile services, general studies, and police administration and (2) in loss prevention and safety.

Graduate courses offered by the College of Law Enforcement are listed as Criminal Justice (CRJ) and Loss Prevention and Safety (LPS), with the exception of TRS 788. The graduate courses for the Master of Science degrees from the College of Law Enforcement are listed below in the section titled "College of Law Enforcement Courses."

A detailed description of the Master of Science programs is presented in the *Graduate Catalog*. Requirements for undergraduate admission and undergraduate honors admission to graduate studies are presented in the *Graduate Catalog*.

RECRUITMENT, EMPLOYMENT, AND ALUMNI CONNECTION

Students in the College of Law Enforcement are provided a variety of services through the Recruitment, Employment, and Alumni Connection (REAC). REAC is responsible for coordinating College efforts in student recruitment, maintaining employment listings, and facilitating Alumni Chapter activities. This support is provided by graduate assistants who maintain an office in the Stratton Building. All students are encouraged to utilize these support services when making their choice of program, while enrolled as students in the College, and as alumni.

COLLEGE OF LAW ENFORCEMENT COURSES

Course Descriptions

LEO—Law Enforcement Orientation

100 Academic Orientation. (1) I. An orientation to university academic life and career planning and preparation. Topics include University policies and procedures, program requirements, career opportunities and introductory study skills. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned.

CRJ—Criminal Justice

540 Special Problems in Criminal Law. (3) A. Advanced study of criminal law and criminal procedure. Consideration of problems relating to the police role in the administration of criminal justice and judicial enforcement of limitations upon police practices.

GRADUATE COURSES

CRJ—Criminal Justice

740 Special Problems in Criminal Law. (3) A.
800 Advanced Criminal Justice Studies. (3) A.
808 Analysis of Criminal Justice Data. (3) A.
810 Advanced Police Administration. (3) A.
811 Applied Study in Police Administration. (3) A.
812 Police Human Resource Development. (3) A.
813 Analysis of Police Operations. (3) A.
814 Police and Society. (3) A.
820 Seminar in Juvenile Justice. (3) A.
821 Applied Study in Juvenile Justice. (3) A.
830 Corrections and Society. (3) A.
831 Applied Study in Corrections. (3) A.
833 Criminal Justice Staff Training. (3) A.
835 Correctional Administration. (3) A.
839 Cooperative Study in Criminal Justice. (1-6) A.
846 Legal Issues in Criminal Justice Administration. (3) A.
856 Legal and Ethical Issues in Corrections. (3) A.
866 Law and the Juvenile Justice System. (3) A.
870 Theories of Criminology and Delinquency. (3) A.
871 Crime, Criminals, and Victims. (3) A.
875 Crime and Public Policy. (3) A.
888 Research Methods in Criminal Justice. (3) A.
890 Topical Seminar in Criminal Justice. (1-3) A.
897 Independent Study in Criminal Justice. (1-6) A.
898 Thesis I. (3) A.
899 Thesis II. (3) A.

LPS—Loss Prevention and Safety

815 Loss Prevention Administration. (3) A.
822 Workers Compensation/Labor Law. (3) A.
826 Emergency Preparedness/Response. (3) A.
827 Issues in Security Management. (3) A.
828 Industrial Safety Management. (3) A.
829 Public Emergency Services. (3) A.
833 Legislation and Legal Compliance. (3) A.
839 Cooperative Study. (1-6) A.
841 Applied Study in Loss Prevention. (3) A.
845 Personal and Environmental Hazards. (3) A.
865 Loss Prevention Auditing. (3) A.
880 Loss Prevention Research/Planning. (3) A.
890 Topical Seminar: ____. (1-3) A.
897 Independent Study. (3) A.
898 Thesis. (3-6) A.

TRS—Traffic Safety

788 Laboratory Instruction Programs in Driver and Traffic Safety. (3) A.

DEPARTMENT OF
CORRECTIONAL SERVICES

R. Snarr, Chair; Fox, Minor, Reed, Reedy, Wachtel, Wilson, Wolford.

The Department of Correctional Services offers a multidisciplinary study of crime and social control by criminal justice and juvenile services agencies. Course offerings also include emphasis on human services and management roles. Through theoretical orientations and practical experience, students are prepared for careers in court services, correctional institutions, community-based programs for adults and juveniles, and related professional areas.

It is expected that graduates will be: (1) knowledgeable of the theoretical, historical, and legal roots of contemporary interventions; (2) able to exhibit relevant interpersonal skills; (3) knowledgeable of organizational, operational, and political variations among correctional and juvenile agencies; and (4) able to demonstrate an understanding of relevant research.

Admission to Upper Division Courses

To enroll in correctional services courses at the 300 level or above, a student should have completed all developmental courses that have been required. This includes any courses from the following: ENG 090, 095, GSL 090, 095, MAT 090, 093, 095. In addition, students should also complete COR/PAD 101 and COR 201 or PAD 103 or receive special departmental approval before enrolling in any correctional services course at the 300 level or above.

Corrections and Juvenile Services

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 45 hours
COR 101, 201, 301, 311, 312, 315, 330, 350, 388 (or equivalent), 423, 440, 450, and nine hours of correctional services electives.

Supporting Course Requirements ..... 9 hours
CIS 230 or equivalent, and select six hours from SOC 131, PSY 202, 300, 308, 314, or 405.

General Education Requirements ..... 46 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
LEO 100 and eight hours of restricted electives.

Free Electives or Minor ..... 19 hours
May choose additional correctional services courses, other elective courses, or a minor area of study.

Total Curriculum Requirements ..... 128 hours

MINOR IN CORRECTIONS AND JUVENILE SERVICES

A student may minor in corrections and juvenile services by completing COR 101, 201, 301, nine hours of correctional services electives (except from COR 349, 460, 470, and 471), and a maximum of three hours from COR 423.

Corrections and Juvenile Services

ASSOCIATE OF ARTS

Major Requirements ..... **21 hours**
COR 101, 201, 301, 311, 312, 315, and 330.

Supporting Course Requirements ..... **43 hours**
LEO 100, PSY 202, CIS 230, six hours of correctional services electives, six hours of English composition*, six hours general education humanities*, six hours general education social science*, six hours general education natural science*, HPR 180*, 282*, and four hours restricted electives.

Total Curriculum Requirements ..... **64 hours**

NOTE: A maximum of three hours total may be selected from COR 349, 423, 460, 470, or 471.

CERTIFICATE IN ADULT CORRECTIONS

The certificate in adult corrections is designed to meet the immediate educational needs of those employed in adult correctional institutions. The program will provide professional development in areas of corrections related directly to the requirements for job performance in a variety of related positions. The certificate in adult corrections may be earned by completing COR 101, 201, 301, 315, 320, and 350.

Total Curriculum Requirements ..... **18 hours**

Course Descriptions

COR—Correctional Services

100 Survey of Criminal Justice Systems. (1) A. Examination of police, courts, probation, correctional institutions, and juvenile justice at the local, state, and national levels. Study of organization, staffing, service delivery systems, and funding base; exploration of career opportunities. May not be taken for credit by students who have completed COR or PAD courses.

101 Criminal Justice in a Democracy. (3) A. Cross listed as PAD 101. A general overview of the criminal justice system including a description of the major agencies: police, prosecution, courts, and corrections, and an analysis of their interdependence in the criminal justice process. Credit will not be awarded to students who have credit for PAD 101.

201 Introduction to Corrections. (3) A. Formerly COR 120. An introduction to the processes, procedures, and issues in modern corrections. Evolution of the various elements of the juvenile and adult corrections systems.

205 Public Issues in Corrections. (1-3) A. Examination of issues in corrections and juvenile services which have significant social impact. May be retaken to a maximum of six hours on different topics.

301 Juvenile and Adult Facilities. (3) A. Formerly COR 220. Prerequisites: COR/PAD 101 and COR 201 or PAD 103; or departmental approval. Facilities, programs, and procedures for detention and incarceration; variations based on age, sex, and offense of residents; social structure of population; humane control and treatment; standards for evaluating facilities.

305 Family Violence. (3) A. Prerequisites: COR/PAD 101 and COR 201 or PAD 103; or departmental approval. A criminal justice perspective of family violence. An introduction to the empirical and theoretical literature on violence against women and children. It addresses issues such as physical abuse of children, child sexual abuse, courtship violence, parent abuse, marital rape.

308 Applied Criminal Justice Analysis. (3) A. Formerly COR 400. Cross listed as PAD 308. Prerequisites: COR/PAD 101 and COR 201 or PAD 103; or departmental approval. Analytical and statistical concepts and procedures for the treatment of crime and criminal justice data. Includes quantitative and qualitative techniques, univariate and bivariate statistics. Credit will not be awarded to students who have credit for ECO 220 or ECO 824 or EPY 842 or HEA 450 or PAD 308 or PSY 291 or STA 208 or STA 215 or STA 270.

311 Delinquency and the Juvenile Justice System. (3) A. Cross listed as PAD 311. Prerequisites: COR/PAD 101 and COR 201 or PAD 103; or departmental approval. Examines the meaning and causes of delinquency; focuses on the juvenile justice system with special emphasis on juvenile services. Credit will not be awarded to students who have credit for PAD 311.

312 Judicial Processes. (3) A. Prerequisites: COR/PAD 101 and COR 201 or PAD 103; or departmental approval. An overview of both adult and juvenile courts including both criminal and civil court procedures, types of cases, intake, testimony, state statute, and policies.

315 Legal Issues in Corrections. (3) A. Prerequisites: COR/PAD 101 and COR 201 or PAD 103; or departmental approval. An overview of court decisions related to corrections. Study of current legal issues and their impact on adult and juvenile procedures.

320 Workshop. (1-6) A. The workshop is designed primarily for in-service personnel and will focus on current problems, issues, and strategies in providing effective services. May be retaken to a maximum of six hours.

330 Community Corrections. (3) A. Prerequisites: COR/PAD 101 and COR 201 or PAD 103; or departmental approval. Examines history and philosophy of probation, aftercare, parole, and other community programs for juvenile and adult clients; function and operation of parole authorities; statutory authorization; case law; current trends.

345 Race, Gender, and Criminal Justice. (3) A. Cross listed as PAD 345. Prerequisites: COR/PAD 101 and COR 201 or PAD 103; or departmental approval. Review of contemporary issues specific to race and gender both for offenders and victims; analysis of how civil rights and women's movements and affirmative action have affected role of minorities and women as professionals in criminal justice. Credit will not be awarded to students who have credit for PAD 345.

349 Cooperative Study in Corrections and Juvenile Services. (1-8) A. Prerequisites: COR/PAD 101 and COR 201 or PAD 103; or departmental approval. Work, under faculty and field supervisors, in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; fifteen, baccalaureate (see note). Minimum 80 hours work required for each academic credit.

350 Helping Relationships in Corrections. (3) A. Formerly COR 250. Prerequisite: COR/PAD 101 and COR 201 or PAD 103; or departmental approval. Introduction to the issues, procedures, and treatment methods for juvenile and adult programs.

388 Research in Corrections. (3) A. Prerequisites: COR/PAD 101 and COR 201 or PAD 103; or departmental approval. Overview of significant research in corrections and juvenile services; emphasis upon applicability to delivery of services; study of processes of locating and analyzing the relevant body of knowledge; examination and evaluation of methodologies employed.

423 Topical Seminar:____. (3) A. Prerequisites: COR/PAD 101; COR 201 or PAD 103; junior standing, departmental approval, and have completed at least 30 hours of COR course work. Intensive study of selected topics related to corrections and juvenile justice. May be retaken to a maximum of nine hours on different topics.

440 Correctional Administration. (3) A. Prerequisites: COR/PAD 101 and COR 201 or PAD 103; or departmental approval. Concepts of management as applied to adult and juvenile corrections systems. Special emphasis upon organizational structure, planning, decision making, and directing.

450 Correctional Helping Skills. (3) A. Prerequisites: COR/PAD 101; COR 201 or PAD 103; and COR 350; or departmental approval. Treatment techniques and processes in adult and juvenile corrections. Emphasis on skill development in interviewing, group processes, and crisis intervention techniques.

460 Independent Study. (1-6) A. Prerequisites: COR/PAD 101; COR 201 or PAD 103; and departmental approval. Individual study and/or research on a problem pertaining to correctional services. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

470 Field Experience in Corrections. (3-15) A. Prerequisites: COR/PAD 101; COR 201 or PAD 103; and departmental approval. Field services training designed to broaden the educational experience through appropriate observational and work assignments in governmental and private agencies; correlation of theoretical knowledge with practicing participating agencies. May be retaken to a maximum of 15 hours. (See note).

471 Field Experience in Juvenile Services. (3-15) A. Prerequisites: COR/PAD 101, COR 201, and departmental approval. Field services training designed to broaden the educational experience through appropriate observations and work assignment in governmental and private agencies; correlation of theoretical knowledge with practice in participating agencies. May be retaken to a maximum of 15 hours. (See note).

NOTE: A maximum of 15 hours credit earned in cooperative study and field experience, singularly or combined, may be applied toward graduation.

DEPARTMENT OF
LOSS PREVENTION AND SAFETY

P. Collins, Chair; Blair, Browne, L. Collins, Hopkins, Jones, Novak, Ochs, Schneid, Spain.

The Department of Loss Prevention and Safety offers undergraduate programs in assets protection, fire and safety engineering technology, and traffic safety and a graduate program in loss prevention and safety. At the associate degree level, the department offers programs in assets protection management and fire and safety engineering technology. Baccalaureate level pro-

grams are offered in assets protection and fire and safety engineering technology. Minors are available in assets protection management, fire and safety engineering technology, and traffic safety. A Master of Science degree is available in loss prevention and safety (see *Graduate Catalog* for details.)

ASSETS PROTECTION PROGRAM

N. Spain, Program Coordinator

The assets protection program includes a two year Associate of Arts degree in assets protection management and a Bachelor of Science degree in assets protection. The Associate of Arts degree in assets protection management is designed to prepare students for supervisory positions in assets protection in both the private and public sector. The Bachelor of Science in assets protection provides a broad and balanced interdisciplinary program of study that will serve to produce an individual who has the capacity to function in a broad range of managerial positions in assets protection.

Students pursuing the assets protection major or minor must earn a grade of "C" or higher in each APS course.

Assets Protection

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 51-54 hours

Core ..... 33 hours
APS 110, 210, 225, 320, 333, 395, 435**, 465, 495, three hours upper division APS electives, plus an advisor approved option with supporting course work.

Options ..... 18-21 hours

Assets Protection Management ..... 21 hours
ACC 201, ACS 300, ECO 231, INS 378, and nine hours from ACC 202, CIS 212, ECO 230, GBU 204, MGT 220 or 300, or MKT 200 or 300.

Assets Protection Studies ..... 18 hours
Advisor approved supporting minor.

Computer and Information Security ..... 21 hours
CIS 230, 250, 375, 380, 435, and six hours upper division CIS courses.

Loss Prevention and Control ..... 19 hours
CHE 101 or 111; MAT 107; PHY 101 or BIO 141; FSE 100, 120, and three hours FSE elective.

Supporting Course Requirements ..... 18-21 hours

Assets Protection Management ..... 19 hours
APS 438, CIS 375, CSC 171, MAT 107, SPE 300; FSE 100 or OSH elective; and ECO 220 or advisor approved statistics course.

Assets Protection Studies ..... 21 hours
ACC 201, ACS 300, CIS 230; FSE or OSH elective; INS 378, SPE 300, and STA 270 or advisor approved statistics class.

Computer and Information Security ..... 18 hours
ACS 300, APS 438, INS 378; MAT 107 or ACC 201; SPE 300, and STA 270 or advisor approved statistics course.

Loss Prevention and Control ..... 21 hours
CIS 230, EHS 340, INS 378, three hours OSH electives, and nine hours of FSE upper division electives.

General Education Requirements ..... 46 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
LEO 100 and eight hours of restricted electives.

Free Electives ..... 0-1 hours

Total Curriculum Requirements ..... 128 hours

**Six hours must be earned in APS 435.

NOTE: Sufficient upper division hours to satisfy University requirements are not listed for each option. Students should select courses in General Education requirements and/or free electives to satisfy upper division hours.

MINOR IN ASSETS PROTECTION MANAGEMENT

A student may minor in assets protection management by completing a minimum of 21 semester hours as follows: APS 110, 210, 225, 333, 395, 435, and three hours of upper division assets protection electives. Students pursuing the assets protection management minor in the Department of Loss Prevention and Safety must earn a grade of "C" or higher in each APS course.

Assets Protection Management

ASSOCIATE OF ARTS

Major Requirements ..... 21 hours
APS 110, 210, 225, 320, 333, and six hours APS electives.

Supporting Course Requirements ..... 39 hours
LEO 100, ACC 201, FSE 301, SPE 100; FSE or OSH elective; six hours of English composition*, three hours general education humanities*, six hours general education social science*, three hours general education natural science*, HPR 180*, 282*, and four hours restricted electives.

Free Electives ..... 4 hours

Total Curriculum Requirements ..... 64 hours

Course Descriptions

APS—Assets Protection

110 Principles of Assets Protection. (3) A. Formerly SLP 110. History and overview of the assets protection industry and employment opportunities, and introduction to the basic methodologies of assets protection: personnel, physical, procedural, and auditing systems.

210 Security Technology Systems. (3) A. Formerly SLP 210. Classroom and laboratory review and assessment of security technology, construction of physical security survey instruments, and nontechnical design of integrated physical security systems.

225 Assets Protection Law. (3) A. Formerly SLP 225. Review of civil and criminal authority and liability of assets protection personnel, with emphasis upon tort liability for use of force, false imprisonment, defamation, invasion of privacy, malicious prosecution, negligent hiring and retention, and negligent security.

320 Assets Protection Management. (3) A. Formerly SLP 320. Prerequisite: APS 110 or advisor approval. The evolution and application of traditional and current theories of assets protection management.

325 White Collar Crime. (3) A. Formerly SLP 325. Cross listed as PAD 325. A review and analysis of the upper world crimes of business and government committed in the course of legitimate occupations and financial activities. Credit will not be awarded to students who have credit for PAD 325.

333 Assets Protection Ethics and Policy. (3) A. Formerly SLP 333. Prerequisite: APS 110 or instructor approval. Case study review, assessment and design of assets protection codes of ethics, policies and procedures. Case studies include private and government entitles.

349 Cooperative Study. (1-8) A. Formerly SLP 349. Prerequisite: departmental approval. Work, under faculty and field supervisors, in placements related to academic studies. One to eight hours credit per semester. Total hours: eight, associate; sixteen, baccalaureate. Minimum 80 hours work required for each academic credit.

375 Terrorism/Counterterrorism. (3) A. Formerly SLP 375. Cross listed as PAD 375. A study of domestic, foreign, and transnational terrorism, with emphasis on the philosophical bases, organization, equipment, and operations of terrorist groups. Role of law enforcement agencies in implementation of anti-terrorist measures is examined. Credit will not be awarded to students who have credit for PAD 375.

395 Government Compliance. (3) A. Formerly SLP 395. Prerequisites: APS 110 and 225; or instructor approval. Review of government laws governing access to criminal, credit, driving, and personnel records, and survey of regulations which affect assets protection programs, such as DOD, DOE, DOT, EEOC, FCC, FDA, OCC, and NLRB.

435 Topical Assets Protection Seminar:____. (1-3) A. Formerly SLP 435. Study of contemporary issues in assets protection. Selected topics may include credit card fraud, contract security management, employee drug testing, information security, insurance fraud, interviewing and negotiating, retail security, and other topics. May be retaken to a maximum of six hours under different subtitles.

438 Computer Information Security. (3) A. Formerly SLP 438. Prerequisite: instructor approval. Vulnerability assessments and countermeasures for securing computer and network information systems from unauthorized entry, abuse, and sabotage, with emphasis on system software, database analysis, communication networks, and auditing techniques.

445 Field Experience. (3-12) A. Formerly SLP 445. Prerequisite: departmental approval. Field training is designed to broaden the educational experience through appropriate observational work assignments in cooperating agencies. May be retaken to a maximum of 12 hours.

455 Independent Study. (1-3) A. Formerly SLP 455. Prerequisite: departmental approval. Individual reading and research on a problem or area within the field of security after student consultation with the instructor. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

465 Assets Protection Auditing. (3) A. Formerly SLP 465. Prerequisites: ACC 201 and introductory level statistical course; or instructor approval. Review and application of investigative auditing, inventorying, and surveying procedures, and application of probability and statistical information to assets protection decision making.

495 Applied Assets Protection. (3) A. Prerequisite: APS senior standing or instructor approval. Senior capstone course which requires synthesis and application of prior course work in assets protection. Development, by each student and/or team, of a comprehensive assets protection program for a specific business or government agency, with oral and written presentation will be required

FIRE AND SAFETY ENGINEERING TECHNOLOGY PROGRAM

L. Collins, Program Coordinator

Areas of study include life safety and life support; fire prevention, suppression and investigation; fire service administration; industrial loss prevention; industrial risk management; fire protection engineering; and occupational safety and health.

Program offerings include the Bachelor of Science degree in fire and safety engineering technology with options in fire and arson investigation, fire protection administration, fire protection engineering technology, and industrial risk management; the Associate of Arts; the Certificate of Competency, and the Kentucky Basic Emergency Medical Technician Certificate Program.

Fire and Safety Engineering Technology

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 41-48 hours

Core Requirements ..... 25 hours
FSE 100, 101, 120, 225, 305, 310; four hours from 349, 489, or 499; and three hours advisor approved FSE electives.

Options

Fire and Arson Investigation ..... 16 hours
FSE 223, 320, 350, 450, and 499.

Fire Protection Administration ..... 18 hours
FSE 223, 320, 350, 360, 400, and 450.

Fire Protection Engineering Technology ..... 20 hours
FSE 201, 221, 322, 360, 410, 412, and 499. (See note)

Industrial Risk Management ..... 23 hours
FSE 201, 221, 301, 320, 322, 410, and 412.

Supporting Course Requirements ..... 26-37 hours

Fire and Arson Investigation ..... 29-30 hours
APS 375; CHE 101 or 111; CHE 102 or 112; ENG 300, FOR 301, PAD 204, 216, 316, and 416.

Fire Protection Administration ..... 29-30 hours
APS 465; ACC 550 or POL 377; CHE 101 or 111; CHE 102 or 112; ENG 300, POL 376, PSY 202, TRS 233, and VIT 364.

Fire Protection Engineering Technology ..... 37-38 hours
CHE 101 or 111; CHE 102 or 112; EHS 340, MAT 115, 124, 224, PHY 201, 202, 375: and TEC 190 or ENG 300. (See note)

Industrial Risk Management ..... 26-27 hours
APS 110; APS 210 or 465; CHE 101 or 111; CHE 102 or 112; EHS 340, ENG 300; INS 370, 372, or 378; and TRS 332.

General Education Requirements ..... 37 hours
Standard General Education program, excluding course categories 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
LEO 100 and eight hours of restricted electives.

Free Electives ..... 0-12 hours

Total Curriculum Requirements ..... 128 hours

NOTE: This option (fire protection engineering technology) does not list sufficient upper division hours to satisfy University requirements. Students should select courses in General Education requirements to satisfy upper division hours.

MINOR IN FIRE AND SAFETY ENGINEERING TECHNOLOGY

The courses required to complete a minor in fire and safety engineering technology include: FSE 100, 120, and 12 hours of FSE electives. Nine hours must be upper division.

Fire and Safety Engineering Technology

ASSOCIATE OF ARTS

Major Requirements ..... 30 hours
FSE 100, 101, 120, 201, 221, 223, 225, and nine hours of electives selected from fire protection engineering technology with advisor approval.

Supporting Course Requirements ..... 22 hours
LEO 100, six hours of English composition*, three hours general education humanities*, three hours general education social science*, three hours general education natural science*, HPR 180*, 282*, and four hours restricted electives.

Free Electives ..... 12 hours

Total Curriculum Requirements ..... 64 hours

FIRE AND SAFETY ENGINEERING TECHNOLOGY, CERTIFICATE OF COMPETENCY

The courses required to complete the certificate of competency in fire and safety engineering technology include: FSE 100, 101, 120, 201, 221, 223, 225, 320, 322, 350; and FSE 360 or 489.

Total Curriculum Requirements ..... 33-34 hours

BASIC EMERGENCY MEDICAL TECHNICIAN CERTIFICATION

Meets the Kentucky Cabinet for Human Resources certification requirement: FSE 301.

Total Curriculum Requirements ..... 5 hours

Course Descriptions

FSE—Fire and Safety Engineering Technology

100 Introduction to Fire Protection Technology. (3) A. Historical and philosophical discussion with review of the life and property conservation functions of federal, state, municipal, and private agencies. Study of legislation, contemporary, and future problems, career opportunities, and public fire safety education programs.

101 Fire Prevention Codes and Standards. (3) A. Organization and function of fire prevention programs. Introduction to building codes; fire prevention codes; inspection, surveying, and mapping procedures; engineering solutions for fire hazards; enforcement problems.

120 Chemistry of Fire and Fire Behavior. (3) A. Chemical and physical properties of combustibles; fundamentals of fire investigation; determining point of origin; recognition of ignition sources; residuals of pyrolysis.

201 Designing Building Fire Safety. (3) A. A systems approach to designing building fire safety; the role of design in providing fire safety. The Life Safety Code; the function of and testing of rated building components, evaluating plans for code compliance.

221 Fire Control I. (3) A. Prerequisite: FSE 120 or advisor approval. Introduction to fire protection systems and their relationship to control and extinguishment. Study of extinguishing agents and their application. Concentration on fixed and portable carbon dioxide, dry chemical, dry powder, foam, and halogenated systems.

223 Fire Control Tactics and Strategy. (3) A. Prerequisite: FSE 101. Fire ground decisions, tactics, and operations. Decision making for organizing and operations of fire control forces such as manpower, apparatus, and equipment guidelines for mutual aid; estimating and use of available fire flow.

225 Legal Aspects of Fire and Loss Prevention Services. (3) A. A study of legislative and legal decisions relating to personnel practices, employee safety, and public protection. Emphasizes the legal responsibilities, liabilities, and authority of the fire service practitioner.

301 Emergency Medical Treatment I. (5) A. Effective emergency medical care in a variety of traumatic and medical emergencies. Content developed by the Committee on Injuries of the American Medical Association. Credit will not be awarded to students who have credit for EMC 110.

305 Hazardous Materials. (3) A. Study of hazardous materials in transportation, storage, and usage. Chemical properties of hazardous materials relating to specific reaction, engineering controls, pre-emergency planning, combating, coordinating, and controlling a hazardous materials incident.

310 National Electrical Code. (3) A. Study of the National Electrical Code as it relates to fire and life safety. An emphasis is placed on special occupancies and special conditions as utilized in the inspection process.

320 Emergency and Loss Prevention Services Management. (3) A. An overview of organizational, administrative, and management practices in loss prevention and emergency services. Emphasis on supervision and leadership styles, motivation, morale, and organizational behavior.

322 Fire Control II. (3) A. Prerequisite: FSE 120, 201, or advisor approval. Study of sprinkler systems, automatic fire detection systems, and municipal fire alarm systems.

349 Cooperative Study. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

350 Arson Investigation. (3) A. Detection of arson and associated crimes; interviewing techniques; preparing for court; coordination of arson investigation with other public and private agencies.

360 Water Supply for Fire Protection. (3) A. Prerequisite: a college algebra course. Water at rest and in motion. Bernoulli's and Pascal's theory; water distribution systems, pumps, velocity, discharge friction loss, pump and nozzle pressures required for fire protection. Theory followed by practical application.

400 Fire Service Management. (3) A. A study of environmental management with emphasis on the planning, organizing, and evaluation of contemporary fire protection within the framework of developing specifications for equipment, apparatus, and facilities and developing standard operating procedures for training programs, employee selection, and promotion procedures.

410 Fire Prevention and Occupational Safety. (3) A. Implementation of loss prevention techniques and programs. Fire and Safety regulations; compliance with building codes and ordinances; insurance; relationship of occupational safety to fire prevention; economics of employee and property conservation.

412 Occupational and System Safety Management. (3) A. Prerequisite: FSE 410 or instructor approval. Principles and concepts of safety management and system safety. The relationship of safety law, employee management roles, ergonomics, psychological factors in safety motivation, safety reporting systems, risk analysis, and identification and research of safety problems.

450 Explosive Materials and Devices. (3) A. A study of the classification and characteristics of explosive materials. The development of bomb safety plans, search plans, operation of homemade devices, evidence, and bomb scene preservation.

489 Topical Seminar:____. (1-3) A. Prerequisite: instructor approval. Development and presentation of research in contemporary methods, techniques, and devices in the field. May be retaken under different topics to a maximum of 12 hours.

499 Practicum. (1-12) A. Prerequisite: departmental approval. Supervised field observation, research, and/or experience.

OSH—Occupational Safety and Health Technology

361 Introduction of Occupational Safety and Health. (3) I. A discussion of the historical development of industrial accident prevention, development of occupational safety and health legislation, and the relationship of safety to industrial, public, and private occupations.

362 Occupational Health and Safety Laws. (3) II. The purposes, rules, and regulations of the William-Steigers and the Kentucky Occupational Health and Safety Acts. Also, other related occupational health and safety rules and regulations.

366 Safety Controls and Analysis. (3) A. Management practices and principles as they apply to accident prevention, control, analysis, and evaluation. Current laws, legislation, certification, and professional ethics.

TRAFFIC SAFETY INSTITUTE

R. Ochs, Program Coordinator

The primary function of the Traffic Safety Institute is to provide instruction, public service, and research in the broad area of traffic safety. The institute offers a wide range of academic courses relative to the manpower needs within the traffic safety field in both the private and public sector.

MINOR IN TRAFFIC SAFETY (NON-TEACHING)

A student may minor in traffic safety by completing 18 hours from the following courses: TRS 103, 232, 285, 413; plus seven additional hours selected from TRS 100, 233, 234, 332, 349, 386, 407, 487, or 588.

DRIVER EDUCATION ENDORSEMENT

The requirements for a driver education endorsement for any secondary teaching major are: TRS 285, 386, 487, and 588.

Course Descriptions

TRS—Traffic Safety

100 Trends in Loss Prevention. (1) A. Study of the development of loss prevention countermeasures to solve safety problems. Educational efforts, law enforcement activities, regulatory programs, and engineering concepts that are presently utilized to reduce accidents and injuries are reviewed.

103 Safety in Personal Transportation. (2) A. Designed to survey the basic concept of safety; including the philosophy and concept of risk, countermeasures, accident proneness and safety instruction; experiences include a personal assessment of safety-related behavior emphasizing personal forms of transportation.

232 Alcohol-Drugs: Involvement in Traffic Crashes. (3) A. Extensive investigation into traffic-related areas of alcohol and other drugs, their origin, development, use and misuse, and results of their abuse. Enforcement of driving under the influence law, chemical testing, and implied consent are examined.

233 Emergency and Defensive Driving Techniques. (3) A. Instruction for drivers in defensive driving techniques and emergency or unusual driving situations. Classroom and practice driving instruction in vehicle handling techniques.

234 Beginning Motorcycle Safety. (3) A. Designed to develop in students the necessary concepts, principles, and competencies for use and protection of two-wheeled motorized vehicles including minibikes, mopeds, and motorcycles. Motorcycles and helmets are provided.

285 Introduction to Driver and Traffic Safety. (3) A. Designed to provide the concepts, principles, judgment, and performance for safe, efficient use of the highway system. Exposure is provided to a multiple-phased driver education instruction program.

332 Traffic Crash Causation and Investigation. (3) A. A study of the principles of traffic accident causation and techniques used in investigation. Designed to increase the investigator's knowledge and understanding necessary for gathering factual information through investigation as opposed to reporting traffic accidents.

349 Cooperative Education. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours per semester or summer. A minimum of 80 hours work required for each academic credit.

386 Methods and Educational Media in Driver and Traffic Safety. (3) A. Designed to provide the competencies to organize and instruct driver education utilizing the multimedia system and the simulation system of instruction.

407 Independent Study in Driver and Traffic Safety Education. (1-6) A. Designed to give the student the opportunity to develop specific competencies by designing and conducting research in the broad area of traffic safety, or by independent reading assignments in the area of traffic safety education. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

413 Current Developments in Driver and Traffic Safety. (3) A. Current problems, issues, trends, and developments in traffic safety are reviewed, analyzed, and evaluated.

487 Behavioral Approaches to Driver and Traffic Safety. (3) A. Designed to study, analyze, and develop behavioral objectives applied to driving task instruction with study and evaluation of individualized learning approaches for programs in driver education.

491 Special Topics:____. (1-3) A. Prerequisite: instructor approval. Intensive study of selected topics in traffic and driver safety. May be retaken under different topics to a maximum of six hours.

588 Laboratory Instructional Programs in Driver and Traffic Safety. (3) A. Designed to provide the background, knowledge, and competencies to instruct the laboratory phases of the multiple-car driving range and on-street instruction. Provided are experiences related to implementation and administration of such programs.

DEPARTMENT OF

POLICE STUDIES

L. Gaines, Chair; Black, Cordner, Cox, Forester, Givan, Kappeler, Nixon, Pelkey, Potter, Southerland, Tillett, Tunnell.

The Department of Police Studies currently has approximately 700 majors and is one of the largest programs in the nation devoted to law enforcement education. The department offers a wide range of academic courses related to the following major objectives: (1) to provide students with an academic, ethical, and legal foundation for employment opportunities within the criminal justice field; (2) to prepare students for judicial and professional programs; (3) to conduct research in criminal justice; and (4) to provide service to individuals and organizations within the criminal justice system.

PROGRAM REQUIREMENTS AND PREREQUISITES

Students are urged to review carefully all course and program prerequisites before scheduling courses. Prerequisites are necessary for the maintenance of quality teaching standards and must be observed. Failure to do so may result in the student's *mandatory withdrawal* from the course.

Students enrolled in the Second Opportunity Program for the associate degree in police administration may take only those courses as described in their Second Opportunity Planned Curriculum. Students must have completed the Second Opportunity Program and have applied for graduation before declaring a baccalaureate major in police administration. A comment indicating the student's Second Opportunity GPA will be placed on the transcript of any Second Opportunity student who by virtue of this program graduates with less than a 2.0 overall GPA. A grade of "C" or higher must be earned in each PAD course for credit toward an associate or baccalaureate major in police administration. At least 12 hours in the major must be earned at Eastern Kentucky University.

A grade of "C" or higher must be earned in each course for credit toward a minor offered by the Department of Police Studies. At least six hours in the minor must be earned at Eastern Kentucky University.

Majors and minors may not take 200 level or higher PAD courses until:

1. a passing grade is earned in any required developmental English or reading courses and
2. a grade of "C" or better is earned in PAD 101 and 103 if required.

Police Administration

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 42 hours
PAD 101, 103, 215, 216, 300, 308, 315, 331, 406, 416, and 12 hours PAD electives.

Supporting Course Requirements ..... 9 hours
POL 101, 331, or 333; PSY 202, 300, or 308; and SOC 131, 313, or 375.

Minor or Option Requirements ..... 18 hours
Students may choose a minor (see note) or an option as approved by the Department of Police Studies. Options are a group of specified courses that develop a particular area of interest.

General Education Requirements ..... 46 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
LEO 100 and eight hours of restricted electives.

Free Electives ..... 4 hours

Total Curriculum Requirements ..... 128 hours

NOTE: The courses comprising the minor field (18 hours) will be selected with the approval of the advisor and the department chair in the minor field. Students may select a minor in any related field.

MINOR IN POLICE ADMINISTRATION

A student may minor in police administration by completing a minimum of 18 semester hours of the following courses: PAD 101, 103, 216, and nine hours of upper division PAD electives.

MINOR IN SOCIAL JUSTICE

A student may minor in social justice by completing PAD 101; PAD 345, POL 345, or SOC 400; PAD 325, 390, or 401; PAD 406; SOC 235 or POL 464; and SOC 313 or 375. (Students majoring in police administration may not minor in social justice.)

Police Administration

ASSOCIATE OF ARTS

Major Requirements ..... 18 hours
PAD 101, 103, 204, 331, and six hours of PAD electives.

Supporting Course Requirements ..... 40 hours
LEO 100; POL 101, 331, or 333; PSY 202, 300, or 308; SOC 131, 313, or 375; six hours of English composition*, six hours in general education humanities* (from 05, 06, 07), six hours of social science* (from 09, 10, 11), and six hours of natural science* (from 13 and 14), HPR 180*, 282*, and four hours restricted electives.

Free Electives ..... 6 hours

Total Curriculum Requirements ..... 64 hours

Course Descriptions

PAD—Police Administration

101 Criminal Justice in a Democracy. (3) A. Cross listed as COR 101. A general overview of the criminal justice system including a description of the major agencies: police, prosecution, courts, and corrections, and an analysis of their interdependence in the criminal justice process. Credit will not be awarded to students who have credit for COR 101.

103 Foundations of Policing. (3) I, II. Overview of police functions and responsibilities at the local, state, and federal levels. Police operations are examined relative to effectiveness in crime control, delivery of services, and maintenance of order.

204 Criminal Investigation. (3) I, II. Fundamentals of criminal investigation, crime scene search and recording, collection and preservation of evidence, scientific aids, modus operandi, sources of information, interviews and interrogation, follow-up and case preparation.

215 Police Operations and Programs. (3) I, II. Formerly PAD 415. Review of contemporary policy issues, programs, and strategies. Assessment of reform measures and accountability mechanisms. Detailed analysis of police practices, including patrol, investigations, specialized operations, and crime prevention.

216 Criminal Law. (3) I, II. The nature of the criminal act; the essential elements; theories of responsibility; exculpatory matters; overview of common law offenses; identification of trends in the law.

300 Criminal Justice Research. (3) I, II. Prerequisite: junior standing or instructor approval. Overview of the research process, with emphasis on finding, using, and evaluating criminal justice research. Examination of research methods appropriate to the study of crime policy and criminal justice.

301 Drugs and Crime. (3) A. An examination of the relationship between organized crime and drug trafficking; the connection between drug use and other types of crime; and a review of drug control policies.

308 Applied Criminal Justice Analysis. (3) A. Cross listed as COR 308. Formerly PAD 400. Analytical and statistical concepts and procedures for the treatment of crime and criminal justice data. Includes quantitative and qualitative techniques, univariate and bivariate statistics. Credit will not be awarded to students who have credit for COR 308 or ECO 220 or ECO 824 or EPY 842 or HEA 450 or PSY 291 or STA 208 or STA 215 or STA 270.

311 Delinquency and the Juvenile Justice System. (3) A. Cross listed as COR 311. Examines the meaning and causes of delinquency; focuses on the juvenile justice system with special emphasis on juvenile services. Credit will not be awarded to students who have credit for COR 311.

315 Police Administration and Management. (3) I, II. Critically examines the theories of motivation, leadership, and organization in the police context. Police administrative and management functions studied emphasizing personnel management and organizational change.

316 Criminal Evidence. (3) I, II. Prerequisite: PAD 216 or instructor approval. Overview of criminal trial procedures; evidence; constitutional rights; presumptions, relevance; expert testimony; testimonial privileges; hearsay, confessions; and impeachment. Emphasis will be given to the Federal Rules of Evidence.

320 Workshop in Law Enforcement. (1-3) A. Designed primarily for in-service law enforcement personnel; focuses on current problems, issues, and strategies in law enforcement. May be retaken to a maximum of six hours.

325 White Collar Crime. (3) A. Cross listed as APS 325. A review and analysis of the upper world crimes of business and government committed in the course of legitimate occupations and financial activities. Credit will not be awarded to students who have credit for APS 325.

326 Police, Liability, and Ethics. (3) A. Police conduct is examined relative to ethical and legal principles. Application of federal and state civil, criminal, and administrative law including civil rights issues.

330 Topics in Police Studies. (1-3) A. Examination of a contemporary issue in policing including historical perspective, societal issues, present status, and future development. The police response to a specific problem is the core of this course. Course may be taken one time.

331 The Police and Crime Control. (3) A. Overview of the policy organization of policing. Treatment will be given to explanations of crime and its control, focusing especially on the police.

345 Race, Gender, and Criminal Justice. (3) A. Cross listed as COR 345. Review of contemporary issues specific to race and gender both for offenders and victims; analysis of how civil rights and women's movements and affirmative action have affected role of minorities and women as professionals in criminal justice. Credit will not be awarded to students who have credit for COR 345.

349 Cooperative Study in Police Administration. (1-8) A. Prerequisite: departmental approval. Work, under faculty and field supervisors, in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; fifteen, baccalaureate. Minimum 80 hours work required for each academic credit. A maximum of three hours of PAD 349 and 424 can be taken for the major or minor.

350 Comparative Criminal Justice Systems. (3) A. A survey of selected world criminal justice systems including police, courts, and corrections as compared to the U.S. system.

375 Terrorism/Counterterrorism. (3) A. Cross listed as APS 375. A study of domestic, foreign, and transnational terrorism, with emphasis on the philosophical bases, organization, equipment, and operations of terrorist groups. Role of law enforcement agencies in implementation of anti-terrorist measures is examined. Credit will not be awarded to students who have credit for APS 375.

390 Predatory Crime and Crime Patterns. (3) A. Examination of selected crime categories including predatory street, conventional property, and sex crimes. Areas of concentration include theoretical and ecological characteristics, victim-offender relationships, and crime patterns emphasizing police responses.

401 Organized Crime. (3) A. History, scope, and methods of control of organized crime in America. Emphasis on local, regional, and statewide control of organized crime. Cultural and social implications of the presence of organized crime are examined in depth.

406 Critical Issues in Criminal Justice. (3) I, II. Prerequisite: senior standing or instructor approval. Examination of the police and criminal justice with an emphasis on problems and trends. This course provides an analytical overview of justice and its response to the needs of society.

408 Police Computer Applications. (3) I, II. Prerequisite: CIS 212, 230, or instructor approval. Overview of police computer applications and the impact of computing technology on police operations, including the prevention, detection, and investigation of computer crime.

410 Human Relations in Policing. (3) A. Theoretical and practical problems and issues in the relationship between police agencies and the total community. Various police-community relations programs are outlined.

416 Criminal Procedure. (3) A. Prerequisite: PAD 216 or instructor approval. A detailed study of the laws of arrest (including the use of force), search and seizure, emphasizing the constitutional basis, historical development, statutes, and recent court decisions.

424 Field Experience. (3-12) A. Prerequisites: instructor and departmental approval. Maximum of 12 semester hours. Designed to broaden the educational experience through appropriate observational work assignments. (Intended for pre-service students in non-sworn positions). A maximum of three hours of PAD 424 and PAD 349 can be taken for the major or minor.

426 Federal Criminal Law. (3) A. Prerequisite: PAD 216 and 316. An examination of the federal criminal law enforcement system with a focus on substantive offenses. In addition to specific crimes, the bases of federal jurisdiction will be studied.

460 Independent Study. (1-3) A. Prerequisite: departmental approval. Individual study and/or research on a problem relating to police studies. May be retaken to a maximum of three hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

COLLEGE OF NATURAL AND MATHEMATICAL SCIENCES

DONALD L. BATCH, DEAN

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In cooperation with other colleges of the University, the College of Natural and Mathematical Sciences strives: (1) to provide academic programs, curricula, and courses in the natural and mathematical sciences that lead to baccalaureate and master degrees and that prepare students for pre-professional and professional fields; (2) to provide academic courses for students that support the teacher education programs at both the undergraduate and graduate levels; (3) to provide leadership in the College's areas of general education in the natural and mathematical sciences and to provide appropriate discipline and interdisciplinary courses in general education; (4) to provide support and developmental courses in the natural and mathematical sciences for all students in the University; (5) to provide a program of academic advising for students majoring in programs within the College; (6) to encourage the teaching-learning relationship by improvement of instruction, utilization of available resources, review and evaluation of academic programs, and providing opportunities for professional development; (7) to provide all students enrolled in courses in the natural and mathematical sciences with access to up-to-date computer/laboratory/field equipment for learning purposes and to provide audio-visual and computer assisted instruction on an individualized basis as an extension of natural and mathematical science courses and research efforts; (8) to develop assessment criteria and an evaluational process to measure the effectiveness of established program objectives, and incorporate the results into the College planning process; (9) to engage in research that advances knowledge in the natural and mathematical sciences, enhances the College's primary function of instruction, and benefits the University's service area; (10) to provide public service for the local community, region, and the Commonwealth; (11) to support and utilize the University's natural areas as sites for advancement of scientific knowledge in the ecological and environmental disciplines of the natural sciences; (12) to encourage the development of disciplinary and integrated courses/programs, both inter- and intra-college in nature; (13) to provide information on careers in the natural and mathematical sciences and professional assistance in recruitment of students including minority students to support the University's non-discrimination policy; and (14) to cooperate with all educational institutions in our service area in disseminating information and providing mutual support in attaining the highest possible quality courses/programs/workshops/conferences in the natural and mathematical sciences.

SCIENCE LEARNING RESOURCE CENTER

The Science Learning Resource Center (SLRC), a division of the College, was established for the purpose of enhancing what the student learns in the classroom via a diverse number of innovative uses of audio-video and computer assisted instruction. Instruction is on an individualized basis and is an extension of the natural and mathematical sciences courses and research efforts. The SLRC, located in the Memorial Science Building, presently contains computer terminals, microcomputers, printers, plotter, a small science library, and multiple audio-video equipment and provides students with computer assisted instruction, computer simulations, and audio-video presentations.

DEGREES OFFERED

The College of Natural and Mathematical Sciences offers Bachelor of Arts, Bachelor of Science, and Bachelor of Individualized Studies degree programs.

The Bachelor of Arts is conferred upon students who major in chemistry and geology. The Bachelor of Science is conferred upon students who major in biology, chemistry, computer science, computer science and mathematics, earth science, environmental resources, fisheries management, forensic science, geology, mathematics, mathematics-physical science, microbiology, physics, science, statistics, and wildlife management. The Bachelor of Individualized Studies is offered in cooperation with the College of Arts and Humanities and the College of Social and Behavioral Sciences.

APPLICATION FOR PLANNED CURRICULUM

Students should apply for a planned curriculum to the dean of the college. Students pursuing a baccalaureate degree must have completed at least 60 semester hours of course work and have been accepted by a department in the College as a major in that department before applying for a planned curriculum. The planned curriculum is prepared in consultation with a faculty advisor from the department of the student's major. Any change in the planned curriculum must be approved by the advisor, departmental chair, and the dean of the College.

REQUIREMENTS FOR GRADUATION

Students file an application for graduation in the dean's office. They should apply by the end of April if they will complete degree requirements in December, by the end of October if they will graduate in May or August. Students are responsible for planning their program and for registering for the proper courses so that they will have satisfied all degree requirements at the time they expect to graduate.

DEGREE REQUIREMENTS

General University requirements described on page 00 in Part Three of this *Catalog*, as well as specific course requirements set forth in the description curricula, must be met by students completing baccalaureate programs administered by the College of Natural and Mathematical Sciences. In addition to the general University requirements, the following specific policies regulate baccalaureate programs in the College of Natural and Mathematical Sciences.

1. A minimum of 128 hours, with at least 43 hours at the 300 level or above, and with an undergraduate grade point average of 2.0 overall and in the major. Thirty of the last 36 hours must be earned at Eastern Kentucky University. This requirement may be waived upon recommendation by the department chair and approved by the dean of the College.
2. Area, major, and minor requirements: Each student must have an area of concentration or a major. Students with a major in a non-teaching certification program are not required to have a minor. A student may have a major with supporting courses in lieu of a minor if the student is obtaining teacher certification in biology, chemistry, computer science and mathematics, or mathematics.

In teaching certification programs in earth science and physics, a student must complete both the major and a certifiable minor. The minimum number of semester hours in an area of concentration is 48. The minimum number of semester hours for a minor is 18, except that it is 21 with teaching certification.

Students who transfer from another college or university must earn a minimum of six to 12 hours in their area or major at Eastern, the exact minimum to be determined by their advisor. When a minor is required, students must earn a minimum of one course in the minor at Eastern.

While specific requirements for each degree program are found in the appropriate departmental presentation, the College's Academic Orientation course, NMO 100, is common to all programs.

GRADUATE PROGRAMS

The College of Natural and Mathematical Sciences cooperates with the Graduate School in presenting graduate courses and programs. The Master of Science degree is offered in biology, chemistry, geology, mathematical sciences, and physics. The College of Education offers the Master of Arts in Education degree with options in biology, chemistry, earth science, general science, mathematics, and physics. Eastern Kentucky University and the Department of Biological Sciences, in cooperation with the University of Kentucky and the School of Biological Sciences, offer the joint degree, Doctor of Philosophy. This degree is conferred by the University of Kentucky.

These programs are described in the *Graduate Catalog.* Students desiring to pursue one of these programs should consult with the Graduate School and/or with the departmental chair.

COURSE NUMBERING

Courses numbered in the 500 series are open to seniors who meet course and program prerequisites. Additional appropriate experiences are required of all graduate students enrolled in courses in the 700 series. Courses numbered in the 800 series are open only to graduate students.

Pre-Engineering Curricula

There are two pre-engineering curricula offered by the College of Natural and Mathematical Sciences.

In the first curriculum, referred to as the Two-Two Curriculum, students spend two years at Eastern and study basic science, mathematics, and courses for their basic education. Students then transfer their credits to the engineering school of their choice. Students can usually graduate after two years of work at the engineering school with a degree in engineering.

TWO-TWO CURRICULUM

Major Requirements ..... 32 hours
PHY 201, 202, MAT 115, 124+, 224, 225, CHE 111, and 112.
Supporting Course Requirements ..... 9 hours
CSC 174, PHY 221, and TEC 190.
General Education Requirements ..... 21 hours
Six hours of English composition, 15 hours selected from the humanities or social sciences to satisfy general education requirements at the chosen engineering school.
University Requirements ..... 1 hour
NMO 100.
Total Curriculum Requirements ..... 63 hours

+A preparatory course may be required before admission to MAT 124.

THREE-TWO CURRICULUM

In the second curriculum - the **Three-Two Curriculum** - students spend three years at Eastern and then take two years of work in engineering at Georgia Institute of Technology, University of Kentucky, or Auburn University and get a baccalaureate degree from Eastern in physics or chemistry and an engineering degree from the engineering school. The additional year spent at Eastern allows students to do more work in a science major, thus improving the breadth of their background.

Variations occur depending upon the engineering degree sought and the differing requirements of Georgia Institute of Technology, University of Kentucky, and Auburn University. Inquiries concerning a specific program should be addressed to the pre-engineering advisor, Department of Physics and Astronomy. A program representative of the first two years is given above. The third year curriculum will depend primarily on the undergraduate major sought, either physics or chemistry.

A third option available to a student would be to complete requirements for a baccalaureate degree in physics at Eastern and then to apply to a graduate school in engineering for admission and graduate studies. Many engineering graduate schools actively recruit physics majors who have established a good academic record (better than a "B" average). Scholarships/fellow-

ships which are awarded on a competitive basis would pay tuition and most expenses while in graduate school.

Pre-Forestry Curriculum

Arrangements made through the Southern Regional Education Board provide for students who wish to prepare as professional foresters to do the first two years of their work at Eastern Kentucky University and complete their training in two years and one summer at University of Kentucky or any other accredited school of forestry.

Students may elect a three-year program and graduate with a Bachelor of Science degree with a major in biology by transferring 30 semester hours from an accredited school of forestry.

Major Requirements ..... **26 hours**
BIO 131, 141, 211, 315, 328, 335, and 536.

Supporting Course Requirements ..... **43 hours**
AGR 215, CHE 111, 112, CON 221, CSC 171, 174, ENG 300, GLY 108, TEC 190, MAT 115, 121+, PHY 131; SPE 100 or 300; STA 215 or 270.

General Education Requirements ..... **34 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
NMO 100 and eight hours of restricted electives.

Total Curriculum Requirements ..... **112 hours**

+A preparatory course may be required before admission to MAT 121.

Pre-Optometry Curriculum

Students desiring to enter the competition for admission to an optometry school must complete a minimum of three years of pre-optometry courses and a few require the student to earn a baccalaureate degree before applying. The application deadline for optometry schools is usually in December. A minimum of three years work is required in the optometry school for the Doctor of Optometry (O.D.). Most optometry schools require four years for the O.D., and several universities have graduate programs leading to the M.S. and Ph.D. degrees in addition to programs leading to the O.D.

Requirements for admission to optometry schools vary. Students wishing to enter a pre-optometry program should immediately secure transfer information from the optometry school of their choice and then consult with their pre-optometry advisor.

Courses which students may take to meet requirements for admission to optometry schools should include the following.

Major Requirements ..... **32 hours**
BIO 141, 211, 320, CHE 361, 362, 366, 367, PHY 131, and 132.

Supporting Course Requirements ..... **18 hours**
MAT 109, 115, 121, 122; PSY 201 or 202; and STA 270.

General Education Requirements ..... **23 hours**
CHE 111, 112, six hours of English composition, six hours social science, HPR 180, and 282.

University Requirements ..... **9 hours**
NMO 100 and eight hours of restricted electives.

Total Curriculum Requirements ..... **82 hours**

Most optometry schools have established quotas on the number of students that they will accept from each state. Because of this limitation, students must be accepted by the school of optometry and be certified as a resident of the state in which they live. Present circumstances are such that Kentucky residents will stand the best chance for acceptance at Indiana University, the University of Alabama, and Southern College of Optometry at Memphis, which have contracts with the Commonwealth of Kentucky. Approved students are exempt from the out-of-state tuition charge at the above schools which would normally apply to Kentucky residents.

For residents in Kentucky to be accepted under the Kentucky quota, application must be made directly to one of the three contract schools listed above. A Certificate of Residency will be needed which may be secured from the Executive Director, Council on Higher Education, Frankfort, KY 40601. Students from other states should make application to the equivalent board in their state. For further information, the student should consult with the Chair, Department of Chemistry.

Pre-Pharmacy Curriculum

Students who plan to enter the field of pharmacy may take two years of pre-pharmacy and transfer these credits to a pharmacy school. The courses listed below will meet the requirements of most pharmacy schools. Students wishing to enter the curriculum should determine the admission requirements of the pharmacy school of their choice and after consulting their pre-pharmacy advisor, determine which courses to take.

Major Requirements ..... **30 hours**
BIO 141, 171, 320, CHE 111, 112, 361, 362, 366, and 367.

Supporting Course Requirements ..... **18-22 hours**
ECO 230; MAT 107 or 109 and MAT 115, 121+, or MAT 115, 124; PHY 131, and 132.

General Education Requirements ..... **27 hours**
Six hours of English composition; 21 hours towards the general education requirements at the chosen pharmacy school.

University Requirements ..... **1 hour**
NMO 100.

Total Curriculum Requirements ..... **76-80 hours**

+A preparatory course may be required before admission to MAT 121.

Pre-Medical Sciences Preparatory Programs

Students who have career interests in medicine, dentistry, veterinary medicine, osteopathic medicine, or podiatry may fulfill general admission requirements of specific professional schools by pursuing the Bachelor of Science degree in Biology or the Bachelor of Arts degree in Chemistry. Students pursuing degrees in either department will concentrate in biology and chemistry, with appropriate and complementary courses in humanities, social sciences, and communications. Courses in mathematics and physics will also be required. Students interested in medical fields are assigned to pre-medical advisors. These advisors work closely with each student to help plan programs of study and prepare for the process of gaining admission to the chosen professional school.

Biology

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **35-37 hours**
BIO 131, 141, 211, 315, 316, 320; 328 or 348; 490, 514, and one biology elective at the 300-500 level.

Supporting Course Requirements ..... **38-39 hours**
CHE 111, 112, 361, 362, 366, 367; MAT 115 and 121, or 261+; PHY 131, 132; PSY 201 or 202; and STA 215 or 270.

General Education Requirements ..... **32 hours**
Standard General Education program, excluding course categories 13, 14, 15, 16, and 19. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
NMO 100 and eight hours of restricted electives.
Free Electives ..... **11-14 hours**
Recommended Courses: BIO 520, 546, 547, CHE 325, 570.
Total Curriculum Requirements ..... **128 hours**

+A preparatory course may be required before admission to calculus.

Chemistry

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **30 hours**
CHE 111, 112, 325, 361, 362, 366, 367, 570, and three hours of upper division chemistry electives.
Supporting Course Requirements ..... **16-17 hours**
MAT 115 and 121, or 261; PHY 201 and 202, or PHY 131 and 132; PSY 201 or 202.
General Education Requirements ..... **35 hours**
Standard General Education program, excluding course categories 14, 15, 16, and 19. Refer to Part Three ot this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **9 hours**
NMO 100 and eight hours of restricted electives.
Free Electives ..... **37-38 hours**
Recommended courses: BIO 141, 211, 315, 320, 348, 546, and 547.
Total Curriculum Requirements ..... **128 hours**

MATHEMATICS—PHYSICAL SCIENCE (TEACHING) PROGRAM

The area of concentration in mathematics-physical science (teaching) is designed to provide students with a broad background, including sufficient depth to allow them to teach in the joint areas of mathematics and physical science. Graduates of this program may be certified by the Kentucky Department ot Education to teach any of the following courses: (1) any secondary mathematics course, (2) high school chemistry, (3) high school physics, and (4) secondary courses in physical science and integrated science.

Students in this program must complete the required courses in general education and professional education as well as a prescribed core of 18 semester credit hours in the primary areas of chemistry and physics and 19 semester credit hours in mathematics. Also, the student must choose one of these primary areas in which to take a minimum of three additional credit hours of work in order to complete a certifiable minor (21 semester hours) in chemistry, mathematics, or physics.

Mathematics—Physical Science (Teaching)

AREA OF CONCENTRATION (BACHELOR OF SCIENCE)

Refer to the College ot Education section of this *Catalog* regarding several teacher certification requirements associated with this degree program. A student must have a 2.5 GPA in each of the three disciplines included in this area (required chemistry, mathematics, and physics courses).

Area Requirements ..... **58 hours**
CHE 111, 112, 325, five additional hours of upper division chemistry courses for a total of 18 hours, MAT 115, 121, 122, 214, 223, 301, 334; PHY 201 and 202, or PHY 131 and 132; PHY 300; PHY 301 or approved substitute; PHY 306 or 308. In addition, the student must choose one of the above three disciplines to complete the requirements for a teaching minor (21 hours) in that discipline.
Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318; ESE 450 or 451; 498, and 499.
General Education Requirements ..... **31 hours**
Standard General Education program, excluding course categories 03, 04, 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **9 hours**
NMO 100 and eight hours of restricted electives.
Free Electives ..... **2 hours**
Total Curriculum Requirements ..... **128 hours**

SCIENCE (TEACHING)

Teaching life sciences, physical sciences, or integrated science is extremely important and holds the opportunity of an exciting career for anyone with a broad interest in the sciences. The area of concentration in science (teaching) offers a convenient method to become certified to teach courses in these areas. The area of concentration in science (teaching) is designed to provide students with a general background in the areas of biology, chemistry, earth science, and physics. Students in this program must complete the required courses in general education and professional education as well as a minimum of 48 semester hours in the sciences. These 48 semester hours in the sciences must include the core requirements of 33 hours ot specified courses from the fields of biology, chemistry, earth science, and physics. Also included within these 48 hours must be a minimum of 21 hours from one of the sciences in order to qualify the student for a teaching minor in that science.

A student completing the requirements for the area of concentration in science (teaching) would be certified by the Kentucky Department of Education to teach only in the major(s) (30 hours) or minor(s) (21 hours) disciplines and the integrated science class at the secondary level, and/or in the area of the major or minor and the space/earth science class at the seventh and eighth grade levels. The student may request to obtain a standard certificate for teaching science in the middle grades (grades 5-8) and thereby significantly increase employment options by adding EMG 390, EMG 445, and EMG 447 to the teacher education requirements listed below, and including BIO 211 among the courses presented to satisfy the 48 semester hour area requirement. Students should also consider a major or additional minors with the area of concentration in science.

Science (Teaching)

AREA OF CONCENTRATION (BACHELOR OF SCIENCE)

Refer to the College of Education section of this *Catalog* regarding several teacher certification requirements associated with this degree program.

Area Requirements ..... **48 hours**
Core ..... **33 hours**
BIO 131, 141, CHE 111, 112, GLY 108, 109; PHY 131 and 132, or PHY 201 and 202.
Minor ..... **21 hours**
The student must choose at least one minor: biology, chemistry, earth science, or physics. Consult departmental listings for minor requirements. The student must select additional hours in astronomy, biology, chemistry, earth science, physics or either NAT 300 or SCI 310 to total 48 semester hours of academic credit.

Supporting Course Requirements ..... **3 hours**
MAT 107 or equivalent.
Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318; ESE 441 or 451; 498, and 499.
General Education Requirements ..... **31 hours**
Standard General Education program, excluding course categories 03, 13, 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **9 hours**
NMO 100 and eight hours of restricted electives.
Free Electives ..... **9 hours**
Total Curriculum Requirements ..... **128 hours**

Individualized Studies

(BACHELOR OF INDIVIDUALIZED STUDIES)

The Bachelor of Individualized Studies degree (B.I.S.) is a degree given and administered by three colleges: The College of Arts and Humanities, the College of Natural and Mathematical Sciences, and the College of Social and Behavioral Sciences. The program will provide students with a solid liberal arts education and the flexibility to pursue a unique interdisciplinary course of study of their own planning in pursuance of specific intellectual and/or career goals. It is intended further for students whose interests do not coincide readily with one of the traditional majors and who have the creative and integrative abilities necessary to plan and follow their own programs. A few examples of types of programs which might be pursued are theatre management (combining drama and business), medical illustration (combining biology and art), and other area studies. Refer to the College of Arts and Humanities section of this *Catalog* for details regarding admission and curricular requirements.

NATURAL AND MATHEMATICAL SCIENCES COURSES

NMO—Orientation

100 Academic Orientation. (1) A. An introduction to the programs of the University and the College. Discussion of how to study, what to consider in choosing a profession, and what career opportunities exist for graduates from the College's programs. Additional topics include University regulations, publications, and support areas. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned.

CNM-Interdisciplinary

101 Cosmos and Evolution I: An Exploration of Nature. (3) I, II. This science course integrates the biological and physical sciences by exploring centrally significant ideas that attempt to explain major events that have transformed the universe, the earth, and life on earth. 2 Lec/2 Lab.

102 Cosmos and Evolution II: An Exploration of Nature. (3) I, II. This science course integrates the biological and physical sciences by exploring centrally significant ideas that attempt to explain major events that have transformed the universe, the earth, and life on earth. 2 Lec/2 Lab.

315 Topics in Natural Science General Education: ____. (3) A. An experimental course designed to be used for general education credit in fulfilling the requirements of course categories 15 or 16 in Area IV.

499 Independent Work. (3-6) A. Prerequisite: cumulative GPA 2.5 up to last semester of program in B.I.S. degree. Independent research and/or field work required for the program of B.I.S. degree. Student must have the independent study proposal form approved by the student's B.I.S. Advisory Committee.

500 Interdisciplinary Seminar: ____. (3) A. In-depth consideration of problems which involve several disciplines. A different problem will be considered each time the course is offered. Representatives of various disciplines will participate in instruction. May be retaken to a maximum of six hours.

GRADUATE COURSE

700 Interdisciplinary Seminar: ____. (3) A.

GULF COAST RESEARCH LABORATORY COURSES (MAR)

Eastern Kentucky University is affiliated with the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. This affiliation provides undergraduate and graduate students with the opportunity to take courses and conduct research in marine sciences at an established, well equipped laboratory located on the Gulf of Mexico. Students electing to study at Gulf Coast Research Laboratory do not pay out-of-state tuition.

The following courses are taught only at Gulf Coast Research Laboratory, Ocean Springs, Mississippi, during the summer. The Laboratory furnishes the staff for course work and research. Applications for the program and additional information are available in the Departments of Biological Sciences, Chemistry, and Geology and in the Division of Natural Areas.

MAR—Marine Sciences

300 Marine Science I: Oceanography. (3) A. Formerly MAR 342. Prerequisites: college algebra and two semesters of inorganic chemistry. Corequisite: MAR 300L. Introduction course in oceanography; integration of fundamentals of biological, chemical, geological, and physical oceanography taught from a systems approach.

300L Marine Science I: Oceanography Laboratory. (2) A. Corequisite: MAR 300.

301 Marine Science II: Marine Biology. (3) A. Formerly MAR 343. Prerequisite: eight hours of biology. Corequisite: MAR 301L. A general introduction to marine biology with emphasis on local fauna and flora.

301L Marine Science II: Marine Biology Laboratory. (2) A. Corequisite: MAR 301.

400 Special Problems in Marine Science. A. Prerequisites and credit to be set by Problem Director at the Laboratory. Supervised research on specific problems in all areas of marine science.

403 Marine Invertebrate Zoology. (3) A. Formerly MAR 510. Prerequisite: 16 hours of zoology. Corequisite: MAR 403L. Concentrated study of free-living marine invertebrates of Mississippi Sound and adjacent continental shelf with emphasis on the structure, classification, phylogeny, larval development, and functional processes.

403L Marine Invertebrate Zoology Laboratory. (3) A. Corequisite: MAR 403.

404 Parasites of Marine Animals. (3) A. Formerly MAR 514. Prerequisite: general parasitology. Corequisite: MAR 404L. Parasites of marine organisms with emphasis on morphology, taxonomy, life histories, and host-parasite relationships.

404L Parasites of Marine Animals Laboratory. (3) A. Corequisite: MAR 404.

405 Marine Ecology. (3) A. Formerly MAR 541. Prerequisites: 16 hours of biology, including general botany and invertebrate zoology; and analytical chemistry. Corequisite: MAR 405L. A study of the relationship of marine organisms to their environment and factors affecting their abundance and distribution.

405L Marine Ecology Laboratory. (2) A. Corequisite: MAR 405.

406 Fauna and Faunistic Ecology of Tidal Marshes. (1) A. Formerly MAR 542. Prerequisite: 16 hours of biology. Corequisite: MAR 406L. Survey and discussion of the taxonomy, distribution, trophic relationships, reproductive strategies, and adaptation of tidal marsh animals with emphasis on those occurring in northern Gulf marshes.

406L Fauna and Faunistic Ecology of Tidal Marshes Laboratory. (3) A. Corequisite: MAR 406.

407 Marine Aquaculture. (3) A. Formerly MAR 515. Prerequisites: general zoology and invertebrate zoology. Corequisite: MAR 407L. Technology, principles, and problems relating to the culture of selected marine and estuarine organisms.

407L Marine Aquaculture Laboratory. (3) A. Corequisite: MAR 407. Laboratory and field experience for participation in organized mariculture operations and/or research.

408 Marine Ichthyology. (3) A. Formerly MAR 511. Prerequisite: 16 hours of zoology and comparative anatomy. Corequisite: MAR 408L. A general study of marine fishes.

408L Marine Ichthyology Laboratory. (3) A. Corequisite: MAR 408.

409 Marine Microbiology. (3) A. Formerly MAR 503. Prerequisite: general microbiology. Corequisite: MAR 409L. Introduction to microorganisms of oceans and estuaries. Course work includes sampling procedures, marine bacteria taxonomy, mineralization, microbial fouling, pollution, and marine animal diseases.

409L Marine Microbiology Laboratory. (2) A. Corequisite: MAR 409.

410 Marine Fisheries Management. (2) A. Formerly MAR 512. Prerequisites: ichthyology and fisheries biology. Corequisite: MAR 410L. Practical marine fisheries management problems with emphasis on achieving optimum sustainable yield from marine resources; management methods, legal problems, and educational needs of fishing technology.

410L Marine Fisheries Management Laboratory. (2) A. Corequisite: MAR 410.

420 Marine Phycology. (2) A. Formerly MAR 501. Prerequisite: ten hours of biology and general botany. Corequisite: MAR 420L. A survey of the principal groups of marine algae; their structure, reproduction, distribution, identification, and ecology.

420L Marine Phycology Laboratory. (2) A. Corequisite: MAR 420.

421 Coastal Vegetation. (2) A. Formerly MAR 509. Prerequisite: ten hours of biology and general botany. Corequisite: MAR 421L. A study of general and specific aspects of coastal vegetation, with emphasis on local examples.

421L Coastal Vegetation Laboratory. (1) A. Corequisite: MAR 421.

422 Salt Marsh Plant Ecology. (2) A. Formerly MAR 502. Prerequisite: ten hours of biology and general botany. Corequisite: MAR 422L. Emphasis on the botanical aspects of local marshes. Composition, structure, distribution, and development of coastal marshes.

422L Salt Marsh Plant Ecology Laboratory. (2) A. Corequisite: MAR 422.

430 Comparative Histology of Marine Organisms. (3) A. Prerequisite: instructor approval. Corequisite: MAR 430L. Study of histological organization of representative marine organisms. Fixation, processing, and study of tissues using light microscopy, transmission electron microscopy, and scanning electron microscopy. Relationship between structural and physiological changes during life cycle of organism. Histopathology with respect to tissue responses to infection and to damage by toxic agents.

430L Comparative Histology of Marine Organisms Laboratory. (3) A. Corequisite: MAR 430.

456 Marine Science for Teachers I. (2) A. Formerly MAR 550. Prerequisite: biology background. Corequisite: MAR 456L. Designed to introduce in-service teachers to the study of marine science and to promote the teaching of marine biology at all grade levels.

456L Marine Science for Teachers I Laboratory. (1) A. Corequisite: MAR 456.

457 Marine Science for Teachers II. (2) A. Formerly MAR 551. Prerequisite: MAR 456. Corequisite: MAR 457L. A continuation of MAR 456.

457L Marine Science for Teachers II Laboratory. (1) A. Corequisite: MAR 457.

482 Coastal Marine Geology. (2) A. Formerly MAR 533. Prerequisite: six hours of geology. Corequisite: MAR 482L. A study of inshore and nearshore geological processes, sedimentation patterns, and landform development.

482L Coastal Marine Geology Laboratory. (1) A. Corequisite: MAR 482.

GRADUATE COURSES

801 Special Topics in Marine Science. (1-6) A.

804 Special Problems in Marine Science. (1-6) A.

805 Early Life History of Marine Fishes. (2) A.

805L Early Life History of Marine Fishes Laboratory. (2) A.

DEPARTMENT OF BIOLOGICAL SCIENCES

R. Clark, Chair; Batch, Branson, Byrd, Calie, Creek, Cupp, Elliott, Farrar, Frederick, Funderburk, Harley, Jones, Keefe, Mardon, Martin, Otero, Ramey, Ritchison, Schuster, Thompson.

The Department of Biological Sciences provides curricula for five major programs of study which fulfill the requirements for the Bachelor of Science degree: (1) biology and biology-teaching option; (2) environmental resources; (3) fisheries management; (4) microbiology and microbiology-biotechnology option; and (5) wildlife management. The curriculum tor each program of study is designed to provide introductory courses in organismal biology and biological principles; basic courses in genetics, microbiology, physiology, evolution, and ecology; and advanced courses selected to enhance the specific major being pursued.

Completion of one of the B.S. degree programs in the department should prepare the student for a variety of careers in biology, including positions in industry, government, consulting firms, and biotechnology companies. Students also are well prepared to seek admission to graduate and professional schools. In its biology-teaching program, the department cooperates closely with the University's teacher training program to give students the broad background required for biologists who wish to teach on the secondary level.

The department believes that a well-prepared biologist has working knowledge of the natural environment. Therefore, field experience is a component of many courses. Through the University's Division of Natural Areas, students may utilize Lilley Cornett Woods, Spencer-Morton Preserve, and Maywoods Environmental and Educational Laboratory. Additional opportunities for study are available through the University's affiliation with Gulf Coast Research Laboratory, Ocean Springs, Mississippi. Both the department and the Division of Natural Areas work cooperatively to assist students in attending these laboratories for specialized courses and research in terrestrial and freshwater ecology and in marine science.

MINOR IN BIOLOGY

A student may qualify for a minor in biology by completing 21 semester hours of course work as outlined: BIO 131, 141, 211, and nine additional hours selected from those 200 through 500 level courses which normally are taken for one of the majors in the department. Please note that CHE 111 and 112 are prerequisites for BIO 211.

Students may also seek a minor in biology in conjunction with the completion of a teaching certificate which will enable them to teach biology at the secondary level. Teacher certification with a minor in biology requires 21 semester hours of course work, as stipulated.

PRE-PROFESSIONAL PREPARATION

Students who have a career interest in medicine, dentistry, veterinary medicine, osteopathic medicine, or podiatry may fulfill the general admissions requirements of respective professional schools by pursuing the Bachelor of Science degree in biology. In addition to specific designated courses in the biology major, the following courses are recommended for those students seeking professional degrees: BIO 342, 518, 520, 527, 528, 530, 531, 532, 546, 547, CHE 325, 330, 361, 362, 366, 367, 570, CSC 104, 171, 172, and MAT 115 and 121, or 261+. (Pre-medical and pre-dental students who take the recommended courses in biology and chemistry may substitute PSY 201 for HEA 281).

Students may elect to complete only three years of their program of study at Eastern, including all General Education requirements, and transfer the first year of academic work from an accredited school of medicine, dentistry, veterinary medicine, osteopathic medicine, or podiatry to complete the requirements for the Bachelor of Science degree. The three year program should include: BIO 131, 141, 211, 315, 316, 320, 348, 490, 514, CHE 111, 112, 325, 361, 362, 366, 367; MAT 115 and 121, or 261+; PHY 131 and 132.

+Preparatory course in mathematics may be required before admission to calculus.

GRADUATE PROGRAMS

The Department of Biological Sciences offers the Master of Science degree in biology with an option in applied ecology.

The Master of Arts in Education degree with an option in biology is offered in the College of Education in cooperation with the Department of Biological Sciences. The College of Education in cooperation with other natural science departments participates jointly in the offering of the Master of Arts in Education with an option in general science.

The general requirements for admission to the Graduate School are described elsewhere in this *Catalog*, and detailed requirements are specified in the *Graduate Catalog*.

Biology

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **35-37 hours**
BIO 131, 141, 211, 315, 316, 320; 328 or 348; 490, 514, and one biology elective at the 300-500 level.

Supporting Course Requirements ..... **35-36 hours**
CHE 111, 112, 361, 362, 366, 367; MAT 115 and 121, or 261+; PHY 131, 132; and STA 215 or 270.

General Education Requirements ..... **34 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
NMO 100 and eight hours of restricted electives.

Free Electives ..... **12-15 hours**

Total Curriculum Requirements ..... **128 hours**

+Preparatory course in mathematics may be required before admission to calculus.

Biology (Teaching)

MAJOR (BACHELOR OF SCIENCE)

Refer to the College of Education section of this *Catalog* regarding several teacher certification requirements associated with this degree program.

Major Requirements ..... **35-37 hours**
BIO 131, 141, 211, 315, 316, 320; 328 or 348; 490, 514, and one biology elective at the 300-500 level.

Supporting Course Requirements ..... **32-37 hours**
CHE 111, 112, 361, 366; 362 and 367, or 330 or 530; MAT 107 or 109 or 115 and 121, or 261+; PHY 131, 132, or GLY 108; and STA 215 or 270.

Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 441, 498, and 499.

General Education Requirements ..... **34 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
NMO 100 and eight hours of restricted electives.

Total Curriculum Requirements ..... **138-145 hours**

+Preparatory course in mathematics may be required before admission to calculus.

Environmental Resources

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **35 hours**
BIO 131, 141, 211, 315, 316, 320; 328 or 348; 490, 514, and one course from BIO 335, 340, 355, 381, 522, 536, 553, 558, or 599.

Supporting Course Requirements ..... **32-33 hours**
CHE 111, 112; MAT 107 and 108, or 109; STA 215 or 270; and 15 hours from the following groups of courses, with at least one course from each group and at least seven hours at the 300-500 level:

Group A—AGR 215, 315, 340, REC 102, 201, 406, 501, 516, 590.
Group B—EHS 280, 300, 330, 335, 340, 360, 370, 410, 425, 440.
Group C—GEO 302, 321, 355, 556, PLA 220, 300.
Group D—GLY 108, 109, 351, 390, 410, 411, 580.
Group E—ANT 201, 330, SOC 235, 410, 450, ECO 230, POL 333, 370, 565, JOU 201, 305, 325, SPE 100, 210.

General Education Requirements ..... **34 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
NMO 100 and eight hour of restricted electives.

Free Elective+ ..... **17-18 hours**

Total Curriculum Requirements ..... **128 hours**

+Chosen with advisor's guidance.

Fisheries Management

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **56-59 hours**
BIO 131, 141, 211, 315, 316, 320; 328 or 348; 490, 514, 557, 558, 561, 562, 598; BIO 510 or STA 500; and two courses from BIO 335, 341, 355, 518, 524, 525, or 542.

Supporting Course Requirements ..... **32-37 hours**
CHE 111, 112, 361, 366, MAT 107 or 109 or 115 and 121+ or 261; PHY 131; STA 215 or 270; and two courses from CHE 325; 330 or 530; 362 and 367; 570, PHY 132, or GLY 108.

General Education Requirements ..... **34 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
NMO 100 and eight hours of restricted electives.

Total Curriculum Requirements ..... **131-139 hours**

+Preparatory course in mathematics may be required before admission to calculus.

Microbiology

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **43 hours**

Microbiology Core
BIO 131 or 141; 211, 315, 316, 320; 328 or 348; 490, 514, 520, 527, 528, and 531.

Option

Biotechnology ..... **11 hours**
BIO 530, 532, and CHE 531.

Supporting Course Requirements ..... **44-45 hours**
CHE 111, 112, 325; 330 or 530; 361, 362, 366, 367, 570; MAT 115 and 121, or 261+; PHY 131 and 132.

General Education Requirements ..... **34 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
NMO 100 and eight hours of restricted electives.

Total Curriculum Requirements ..... **130-142 hours**

+Preparatory course in mathematics may be required before admission to calculus.

Wildlife Management

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **59-62 hours**
BIO 131, 141, 211, 315, 316; 320 or 342; 328 or 348; 335, 381, 382, 489, 490, 514, 553, 554, 585, 586; and one course from BIO 355, 518, 522, 536, 556, 557, 558, 561, 562, or 599.

Supporting Course Requirements ..... 27-35 hours
CHE 111, 112; MAT 108, or 115 and 121, or 115 and 124, 261+; STA 215 or 270; AGR 215; and three courses from CHE 330; 361 and 366; 362 and 367; 570, GLY 108, GEO 355, 556, STA 271, PHY 131, or 132.

General Education Requirements ..... 34 hours
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
NMO 100 and eight hours of restricted electives.

Total Curriculum Requirements ..... 129-140 hours

+Preparatory course in mathematics may be required before admission to calculus.

Course Descriptions

BIO—Biology

100 Introductory Biology. (3) I, II. The course will deal with basic introductory principles of biology that are fundamental to an individual's knowledge, as it pertains to the interrelationships of living organisms to the natural world. Topics to be addressed: cellular basis of life, metabolism, genetics, biological diversity, reproduction, evolution, ecology, and environmental biology. May not be used to satisfy area, major, or minor requirements. Credit will not be awarded to students who have credit for NAT 101. 2 Lec/2 Lab. Gen. Ed. 13.

131 General Botany. (4) I, II. Structure and functions of vascular plants and morphology of representatives of the plant kingdom. 2 Lec/4 Lab. Gen. Ed. 13.

141 General Zoology. (4) I, II. Morphology, physiology, comparative anatomy, development, life history, evolution, and diversity of animals. 2 Lec/4 Lab. Gen. Ed. 13.

171 Human Anatomy. (3) I, II. A study of the basic anatomy of the human body and appropriate correlations with body functions. May not be used to satisfy area, major, or minor requirements. 2 Lec/2 Lab. Gen. Ed. 13.

211 Principles of Biological Systems. (4) I, II. Prerequisites: BIO 131 or 141; CHE 112. Cellular structure and function; tissue-organ system levels of organization; reproduction and development; and heredity and evolution. 3 Lec/2 Lab.

271 Advanced Human Anatomy. (3) II. Prerequisites: BIO 171 and departmental approval. An advanced study of human anatomy. Emphasis is placed on the musculoskeletal and nervous systems and their anatomical and functional relationships. May not be used to satisfy area, major, or minor requirements. 2 Lec/2 Lab.

273 Clinical Microbiology. (4) I, II. Prerequisites: BIO 171 and CHE 105 or 106; or instructor approval. A study of microorganisms as causative agents in diseases of humans with emphasis on differentiation and culture, types of diseases, modes of transmission, prophylactic, therapeutic and epidemiological considerations. May not be used to satisfy area, major, or minor requirements. Credit will not be awarded to students who have credit for BIO 276. 2 Lec/4 Lab.

276 Medical Microbiology. (5) I. Prerequisite: BIO 211 or instructor approval. Pathogenic bacteria and fungi commonly found in allied health facilities will be examined by typical hospital laboratory procedures with emphasis on identification and epidemiology. May not be used to satisfy area, major, or minor requirements. Credit will not be awarded to students who have credit for BIO 273. 3 Lec/4 Lab.

300 Economic Plants. (3) I, II. Economic consideration of plants as sources of food, medicine, and other by-products; the origin, domestication, general anatomy, and culture of plants; deleterious plants; aspects of aesthetics and effect on society and world events. May not be used to satisfy area, major, or minor requirements, except the biology (teaching) major and minor. Gen. Ed. 15 or 16.

301 Human Physiology. (3) I, II. Functions of human life processes at the cellular, tissue, and organ-system levels of organization with emphasis on homeostatic mechanisms will be considered in this course. May not be used to satisfy area, major, or minor requirements. Gen. Ed. 15 or 16 and Gen. Ed. 13 with BIO 378.

302 Human Heredity. (3) I, II. This course is the same as BIO 303, except that a laboratory is offered to demonstrate certain aspects of inheritance more thoroughly. A complete description is listed under BIO 303. May not be used to satisfy area, major, or minor requirements. Credit will not be awarded to students who have credit for BIO 303. 2 Lec/2 Lab. Gen. Ed. 15 or 16.

303 Human Heredity and Society. (3) I, II. Inheritance of human traits, including blood groups, sex and sex-related traits, lethal factors, mental capacities, and metabolic disorders; pedigrees, family traits, and population trends. May not be used to satisfy area, major, or minor requirements. Credit will not be awarded to students who have credit for BIO 302. Gen. Ed. 15 or 16.

304 Birds of Kentucky. (3) A. Popular consideration of birds of the Eastern and Central United States with emphasis on birds of Kentucky and especially birds of the local area. Field trips required. May not be used to satisfy area, major, or minor requirements. 2 Lec/2 Lab. Gen. Ed. 15 or 16.

315 Genetics. (4) I, II. Prerequisite: BIO 211. The physical and chemical basis of heredity and variation. Topics include segregation genetics, nature of genes, cytogenetics, mutation, and statistical procedures. 2 Lec/4 Lab.

316 Ecology. (4) I, II. Prerequisite: BIO 211. Basic concepts and principles as applied to the study of organisms or groups of organisms in their interrelations to each other and to their environment. 2 Lec/4 Lab.

317 Conservation of Wildlife Resources. (3) I, II. Introduction to the principles and practices of conservation of plants and animals; requirements and values of wildlife resources; impact of human activities on resources. May not be used to satisfy area, major, or minor requirements. Gen. Ed. 15 or 16.

320 Principles of Microbiology. (4) I, II. Prerequisites: BIO 211 and CHE 112; or instructor approval. A study of bacteria and other microorganisms, their morphology, development and function; techniques of isolation, cultivation and identification; physiology, nutrition, and genetics; role of microbes in medicine, agriculture, and industry. 2 Lec/4 Lab.

328 Plant Physiology. (4) II. Prerequisites: BIO 131, 211, and CHE 112; or instructor approval. Application of elementary physical and biological principles to the understanding of plant processes involved in the assimilation, metabolism, and regulation of growth and development. 2 Lec/4 Lab.

335 Plant Systematics. (3) II. Prerequisite: BIO 131. Identification, classification, and phylogeny of vascular plants; principles of taxonomy. 1 Lec/4 Lab.

340 Marine Biology. (3) II. Prerequisite: instructor approval. To develop an understanding of marine organisms. The course will include an extended field trip to a marine ecosystem and will involve the collection, identification, study of the ecology and life histories of marine organisms. 1 Lec/4 Lab.

341 Invertebrate Zoology. (4) A. Prerequisite: BIO 141. Comparative morphology, physiology, development, evolutionary relationships, and life histories of the invertebrate animals. 2 Lec/4 Lab.

342 Comparative Anatomy. (4) I. Prerequisite: BIO 141. Phylogeny and morphology of the classes of vertebrates. Comparative studies of organs and systems of vertebrate animals based principally on the dogfish, *Necturus*, and cat. 2 Lec/4 Lab.

348 General Physiology. (4) I, II. Prerequisites: BIO 211 and CHE 112. A study of the physical and chemical aspects of mechanisms of function of animals at the organ-system level of organization, in relationship to homeostasis, with appropriate laboratory methodology. 2 Lec/4 Lab.

349 Cooperative Study: Biology. (1-8) A. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours of employment required for each semester hour of academic credit. May not be used to satisfy area, major, or minor requirements.

355 Entomology. (3) A. Prerequisites: BIO 141 and 211. Taxonomy, identification, life histories, physiology, economic importance, methods of control, and collection of insects, with emphasis on local forms. 1 Lec/4 Lab.

371 Neuroanatomy. (4) I. Prerequisite: BIO 171 or instructor approval. Anatomy of the nervous system and the relationships to functions of systems of the human body. May not be used to satisfy area, major, or minor requirements. 2 Lec/4 Lab.

378 Human Physiology Laboratory. (1) I, II. Prerequisite or Corequisite: BIO 301. A series of experiments will be presented which will allow students to demonstrate some of the typical physiological processes of animals as these relate to human physiology. May not be used to satisfy area, major, or minor requirements. 2 Lab. Gen. Ed. 13 with BIO 301.

381 Principles of Wildlife Management. (3) I. Prerequisites: BIO 211 and 316. Basic principles of wildlife management and their application to current problems.

382 Wildlife Techniques. (4) I. Prerequisite or Corequisite: BIO 381. Techniques used in wildlife ecology, emphasizing habitat evaluation and manipulation, population estimation, and management. 2 Lec/4 Lab.

399 Trends in The Biological Sciences. (1-4) A. Prerequisite: instructor approval. A presentation of selected topics in the biological sciences reflective of new developments and current trends in scientific advancement. May be retaken to a maximum of six hours. Gen. Ed. 15 or 16.

489 Field Studies in Wildlife. (1-3) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Field studies designed to enhance the student's wildlife management techniques. Required of all wildlife management majors during the junior or senior year. May be retaken to a maximum of three hours.

490 Biology Seminar. (1) I, II. Prerequisite: junior or senior standing in BIO. Students and members of the faculty meet to present, discuss, and exchange ideas on selected topics, based on the scientific literature for the biological sciences.

510 Quantitative Biology. (3) I. Prerequisite: MAT 107 or instructor approval. Statistical analysis of biological data. Students participate in the taking and processing of data by the use of well-established statistical techniques. 6 Lab-Disc.

514 Evolution. (3) I, II. Prerequisite: BIO 315 or instructor approval. Processes of organic evolution with emphasis on the theory of natural selection.

518 Parasitology. (3) A. Prerequisite: BIO 211. Principles of parasitology, including basic morphology, classification, life cycles, and host-parasite relationships. 2 Lec/2 Lab.

520 Pathogenic Microbiology. (4) II. Prerequisite: BIO 320 or instructor approval. Studies in the field of advanced clinical microbiology with emphasis on morphology, cultivation, biochemistry, and serological identification of bacterial and mycotic diseases; aspects of pathogenesis, epidemiology, and control measures of bacterial and mycotic diseases. 2 Lec/4 Lab.

521 Plant Ecology. (3) A. Prerequisite: BIO 316 or instructor approval. Ecological concepts and principles relevant to plant populations and communities. Emphasis on flora and vegetation of Eastern United States with field trip through the Southern Appalachians.

522 Grasses and Grasslands. (3) I. Prerequisite: instructor approval. Development and composition of grasslands; phylogeny, classification, and identification of grasses. Emphasis on North American grasses and grasslands with field trips to native and managed grasslands. 1 Lec/4 Lab.

524 Phycology. (3) A. Prerequisite: BIO 131. Morphology, taxonomy, ecology, and the economic importance of freshwater algae. 2 Lec/2 Lab.

525 Aquatic Plants. (3) A. Prerequisite: BIO 131. Collection, identification, and recognition of the vascular aquatic plants; their structural and functional modifications. 1 Lec/4 Lab.

527 Immunology. (3) A. Prerequisites: BIO 320 and CHE 361; or instructor approval. Characteristics of immune reactions at the molecular level and *in vivo*. Nature and interactions of antigens and antibodies, and allergic phenomena. 2 Lec/3 Lab.

528 Virology. (3) A. Prerequisite: BIO 320 or instructor approval. Fundamentals of classification, structure, and pathogenesis of viruses. Host-virus interactions and their applications to medicine and industry. Viral related areas of immunology, cell culture procedures, and applications will be introduced.

529 Infection Control. (3) A. Prerequisite: BIO 320 or instructor approval. This course is designed to provide in-depth knowledge of how to perform surveillance in an allied health care facility, with emphasis on guidelines for determining infections, interpretation of clinical data and presenting health related data, and antibiotic utilization studies.

530 Microbial Physiology and Genetics. (3) A. Prerequisites: BIO 315, 320, and CHE 361; or instructor approval. A study of microbial genetics, metabolism, nutrition, and the effects of chemical and physical environments upon microorganisms in their habitats, with emphasis upon microbes of economic, human, and industrial importance.

531 Cell and Molecular Biology I. (5) A. Formerly part of BIO 532. Prerequisites: BIO 211, CHE 361, and 366; or instructor approval. Cellular energetics and enzyme kinetics; mitochondrial and chloroplast systems; gene expression and protein synthesis. Laboratory to include techniques on separation and measuring of components isolated from eukaryotic and prokaryotic cells via chromatography, electrophoresis, ultracentrifugation, and spectrophometry. 3 Lec/4 Lab.

532 Cell and Molecular Biology II. (5) A. Prerequisite: BIO 531 or instructor approval. Topics to include the molecular basis of cancer, development, nerve impulses, immunity, cell-signaling, and metabolic regulation. Laboratory to consist of research projects using techniques acquired in BIO 531, under the supervision of a faculty member and the course instructor. 2 Lec/6 Lab.

536 Dendrology. (3) I. Prerequisite: BIO 131 or instructor approval. Woody plant taxonomy with emphasis on field identification of trees and shrubs in summer and winter conditions; habitats and distributions; economic importance; dendrochronology; tree diseases; forest regions of North America. Weekly field trips during class period and some all-day or overnight trips (*e.g.*, Red River Gorge or Great Smoky Mountains). 1 Lec/4 Lab.

542 Natural History of Invertebrates. (3) A. Prerequisite: BIO 141 or instructor approval. Collection, systematics, distribution, behavior, ecology, and life histories of terrestrial and freshwater invertebrates. 1 Lec/4 Lab.

546 Histology. (4) II. Prerequisite: BIO 211. Microscopic anatomy of normal vertebrate cells, tissues, and organs. 2 Lec/4 Lab.

547 Comparative Vertebrate Embryology. (4) II. Prerequisite: BIO 211. Gametogenesis, fertilization, morphogenesis, and organogenesis of the frog, bird, and mammal. Particular emphasis is placed on mammalian development. 2 Lec/4 Lab.

550 Animal Behavior. (4) A. Prerequisite: BIO 211. Advanced study of behavior with emphasis on inherited behavioral patterns in relation to the evolution and ecology of animals. 3 Lec/2 Lab.

553 Mammalogy. (3) A. Prerequisite: BIO 316 or 342; or instructor approval. Classification, natural history, field methods, and distribution of mammals. 1 Lec/4 Lab.

554 Ornithology. (3) A. Prerequisite: BIO 211 or instructor approval. Avian biology with emphasis on field identification of local avifauna, anatomy, physiology, ecology, evolution, migration, economic importance, distribution, and behavioral patterns. Early morning field trips required. 2 Lec/4 Lab.

555 Behavioral Ecology. (3) A. Prerequisite: BIO 316 or instructor approval. How behavior is influenced by natural selection in relation to ecological conditions. Emphasis on quantitative and experimental methods and on integrating theoretical ideas with field and laboratory evidence.

556 Herpetology. (3) A. Prerequisite: BIO 141 or instructor approval. Natural history of the amphibians and reptiles including taxonomy, general ecology, behavior, distribution, breeding, and food habits. 2 Lec/3 Lab.

557 Ichthyology. (3) A. Prerequisite: BIO 141. Internal and external morphology, taxonomy, life histories, ecology, and phylogeny of the fishes of North America with emphasis on Appalachian fauna. 6 Lec-Lab.

558 Limnology. (3) A. Prerequisite: BIO 316 or instructor approval. Ecology of lakes and streams with special reference to physical, chemical, and biological factors. Comparative field investigations, methods and instruments of limnological field investigation. 1 Lec/4 Lab-Disc.

561 Fisheries Biology. (4) A. Prerequisite: BIO 557 or instructor approval. Study of anatomy, life histories, disease, conservation, methods of harvest, economic importance, and ecological interactions of fishes. 2 Lec/6 Lab.

562 Fisheries Management. (4) A. Prerequisite: BIO 557 or instructor approval. Methods of fish-catching in the world, making and setting nets, construction of fish ponds, management of lakes, ponds, and streams. The culture of game fishes, fisheries statistics, and field experience. 2 Lec/6 Lab.

585 Regional Wildlife Management and Policy. (3) A. Prerequisite: BIO 316 or 382; or instructor approval. Composition, distribution, and history of wildlife resources in biotic regions of North America with emphasis on land use, population trends, and management policies in each region.

586 Migratory and Resident Wildlife Ecology and Management. (4) II. Prerequisites: BIO 382, 553, and 554 or as Corequisite. Advanced study of management and ecology of migratory birds and resident forest, farm, rangeland, and wilderness species, both game and non-game. 2 Lec/4 Lab.

597 Instrumentation and Biological Methodology. (2) I. Prerequisite: BIO 211. Methodological approaches and theory of instrumentation applicable to biological research and biomedical technology will be presented, with emphasis on types of electrophoresis, methods of chromatography, spectrophotometric analysis, radiation measurements, radioimmunoassay techniques, and basic biochemical calculations. 4 Lab.

598 Special Problems. (1-3) I, II. Prerequisites: junior or senior standing; students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Independent research in the biological sciences, under the guidance of a faculty member, which allows students to design a research problem and make experimental observations and conclusions. May be retaken to a maximum of four hours.

599 Topics in Biological Sciences. (1-6) A. Prerequisites: BIO 211 and instructor approval. Special topics in the biological sciences of current interest to faculty and students will be presented through lecture, discussion, and reports. May be retaken to a maximum of six hours.

GRADUATE COURSES

710 Quantitative Biology. (3) I.
714 Evolution. (3) I, II.
718 Parasitology. (3) A.
720 Pathogenic Microbiology. (4) II.
721 Plant Ecology. (3) A.
722 Grasses and Grasslands. (3) I.
724 Phycology. (3) A.
725 Aquatic Plants. (3) A.
727 Immunology. (3) A.
728 Virology. (3) A.
729 Infection Control. (3) A.
730 Microbial Physiology and Genetics. (3) A.
731 Cell and Molecular Biology I. (5) A.
732 Cell and Molecular Biology II. (5) A.
736 Dendrology. (3) I.
742 Natural History of Invertebrates. (3) A.
746 Histology. (4) II.
747 Comparative Vertebrate Embryology. (4) II.
750 Animal Behavior. (4) A.
753 Mammalogy. (3) A.
754 Ornithology. (3) A.
755 Behavioral Ecology. (3) A.
756 Herpetology. (3) A.
757 Ichthyology. (3) A.
758 Limnology. (3) A.
761 Fisheries Biology. (4) A.
762 Fisheries Management. (4) A.
785 Regional Wildlife Management and Policy. (3) A.
786 Migratory and Resident Wildlife Ecology and Management. (4) II.
797 Instrumentation and Biological Methodology. (2) I.
798 Special Problems. (1-3) I, II.
799 Topics in Biological Sciences. (1-6) A.
801 Scientific Literature and Writing in Biology. (2) I.
802 Selected Topics in Biological Sciences. (1-4) A.
803 Big Game Ecology. (3) A.
806 Aquatic Entomology. (3) A.
816 Biogeography. (3) A.
821 Medical Mycology. (3) A.
839 Cooperative Study: Biology. (3-6) A.
845 Vertebrate Physiological Ecology. (3) A.
846 Population Ecology. (3) A.
848 Environmental Analysis of Aquatic Ecosystems. (3) A.
849 Field Methods in Ecology. (3) A.
850 Dynamics of Ecosystems. (2) A.
890 Graduate Seminar. (1) A.
891 Thesis Research. (1-6) A.
891C Continuation of Thesis Research. (1-9) A.

DEPARTMENT OF

CHEMISTRY

H. Smiley, Chair; Bendall, Brock, Davidson, Fraas, Godbey, Meisenheimer, Powell, Reeder, Schulz, Stubblefield, Taylor, Thompson.

The Department of Chemistry has undergraduate programs leading to the Bachelor of Science and the Bachelor of Arts degrees in chemistry and the Bachelor of Science degree in forensic science. An option in biochemistry is available in the Bachelor of Science program.

The Bachelor of Arts degree program constitutes a 30 semester hour major with a maximum of free electives and is designed for students who have an interest in chemistry, but who are not strongly inclined toward the research aspect of the profession. Students acquiring this B.A. in chemistry are encouraged to use their free electives to develop another area of interest such as a second major or a minor.

The B.A. degree program in chemistry is particularly well suited for the pre-medical and pre-dental student. The pre-medical and pre-dental advisor can outline a program of study which, with the proper selection of electives, will fulfill all entrance requirements for medical or dental college. In addition, students may elect to complete only three years of this program, including all general education requirements, and use the first year of successful academic work from an accredited school of medicine, osteopathic medicine, optometry, dentistry, or podiatry to complete the requirements for this degree.

The Bachelor of Science degree program should be pursued by those students desiring to prepare for graduate school or immediate employment in industrial or governmental laboratories. This program requires 43 semester hours of chemistry, and students desiring the B.S. program approved by the American Chemical Society need to elect six additional hours of advanced chemistry courses. Students may elect to acquire the B.S. degree with an option in biochemistry. This program requires a year of biochemistry and a minimum of 13 hours of biology in addition to the chemistry core courses, and it will prepare the student for immediate employment or for graduate work in biochemistry.

A student may acquire teacher certification by earning the B.S. with additional courses in education. Thirty-three hours of chemistry are required for this option.

The Bachelor of Science degree in forensic science should be pursued by those students interested in a career in a forensic laboratory. The degree requires 54 semester hours of forensic science and chemistry and 19 semester hours of supporting courses. An integral part of the curriculum requirement for this degree is an internship at an affiliated crime laboratory.

Steps have been taken to minimize student exposure to hazardous chemicals by modifying experiments, eliminating certain reagents, and developing safe laboratory procedures. Risks to students have been minimized while still providing valid educational experiences. However, there are still hazards that have not yet been discovered by the scientific community. Student presence in the laboratories is only permitted upon acknowledgment of this fact. Precautions are especially important for students with sensitive medical conditions and women in their first trimester of pregnancy.

Chemistry

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 30 hours
CHE 111, 112, 325, 361, 362, 366, 367, 570, and three hours of upper division chemistry electives.

Supporting Course Requirements ..... 13-14 hours
MAT 115 and 121, or 261; PHY 131 and 132, or 201 and 202. It is recommended and expected that pre-medical and pre-dental students in this degree program also take BIO 141, 211, 315, 320, 348, 546, and 547.

General Education Requirements ..... 37 hours
Standard General Education program, excluding course categories 14, 15, and 16. PSY 201 or 202 is substituted for HEA 281 for pre-medical and pre-dental students. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
NMO 100 and eight hours of restricted electives.

Free Electives ..... 38-39 hours

Total Curriculum Requirements ..... 128 hours

Chemistry

MAJOR (BACHELOR OF SCIENCE) OPTION IN BIOCHEMISTRY

Major Requirements ..... 44-48 hours

Chemistry Core ..... 31 hours
CHE 111, 112, 325, 361, 362, 366, 367, 471, and 472.

Options

Chemistry ..... 13 hours
CHE 314, 480, 515, 525, and 550. For the program to be approved by the ACS, the student must elect six additional hours of advanced chemistry courses.

Biochemistry ..... 17 hours
BIO 531, 532, CHE 530, and 531.

Supporting Course Requirements ..... 20-28 hours

Chemistry ..... 20 hours
MAT 115, 121, 122, 223, PHY 201, and 202. For the ACS certified degree a reading knowledge of German or Russian is required. Completion of GER 203 or RUS 202 with a grade of "C" satisfies the requirements. A year of foreign language is recommended.

Biochemistry ..... 28 hours
BIO 211; 315 or 320; MAT 115, 121, 122, 223, PHY 201, and 202.

General Education Requirements ..... 34-37 hours
Standard General Education program, excluding course categories 14, 15, and 16 (chemistry) and course categories 13, 14, 15, and 16 (biochemistry).

University Requirements ..... 9 hours
NMO 100 and eight hours of restricted electives.

Free Electives ..... 9-18 hours

Total Curriculum Requirements ..... 128 hours

Chemistry (Teaching)

MAJOR (BACHELOR OF SCIENCE)

Refer to the College of Education section of this *Catalog* regarding several teacher certification requirements associated with this degree program.

Major Requirements ..... **33 hours**
CHE 111, 112, 325, 361, 362, 366, 367, 570, and six hours of upper division chemistry courses.

Supporting Course Requirements ..... **14 hours**
MAT 115, 121; PHY 201 and 202, or 131 and 132; and one year of foreign language is recommended.

Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 451, 498, and 499.

General Education Requirements ..... **37 hours**
Standard General Education program, excluding course categories 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
NMO 100 and eight hours of restricted electives.

Free Electives ..... **7 hours**

Total Curriculum Requirements ..... **128 hours**

Forensic Science

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **54 hours**
FOR 411, 412, 451, 495+, eight hours of 400 level forensic science electives, CHE 111, 112, 325, 361, 362, 366, 367, 570, and three hours upper division chemistry electives.

Supporting Course Requirements ..... **19-20 hours**
MAT 115 and 121, or MAT 261; PHY 131 and 132, or PHY 201 and 202; LAS 210, and STA 270.

General Education Requirements ..... **37 hours**
Standard General Education program, excluding course categories 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
NMO 100 and eight hours of restricted electives.

Free Electives ..... **8-9 hours**

Total Curriculum Requirements ..... **128 hours**

+May be retaken to a maximum of 12 hours, but only six hours are counted toward the major requirements.

MINOR IN CHEMISTRY

A student may minor in chemistry by completing CHE 111, 112, 361, 366, and four hours of upper division chemistry courses chosen from the following courses: CHE 325, 330, 362, 367, 471, 472, or 570. Students desiring to acquire a minor in chemistry for teaching certification need a total of 21 semester hours of chemistry. The student should complete CHE 111, 112, 361, 366, and seven additional hours from those courses listed above.

GRADUATE PROGRAMS

The Department of Chemistry offers the degree of Master of Science with a major in chemistry.

The Master of Arts in Education degree with an option in chemistry is offered in the College of Education with the cooperation of the Department of Chemistry. The regulations for the degree program can be found in the College of Education section of the *Graduate Catalog*.

Course Descriptions

CHE—Chemistry

101 General Chemistry I. (4) I, II. For students who will take only one year of chemistry. Chemical bonding, structure of matter, chemical equilibrium, and descriptive inorganic chemistry. Credit will not be awarded to students who have credit for CHE 105 or CHE 111. 3 Lec/2 Lab. Gen. Ed. 14.

102 General Chemistry II. (4) I, II. Prerequisite: CHE 101. Continuation of CHE 101, emphasis on elementary organic chemistry, biochemistry, and industrial chemistry. Credit will not be awarded to students who have credit for CHE 106. 3 Lec/2 Lab.

105 Chemistry for the Health Sciences I. (4) I, II. An introductory course for students in allied health. Principles of bonding, structure, and reactivity related to biological processes. Credit will not be awarded to students who have credit for CHE 101 or CHE 111. 3 Lec/2 Lab. Gen. Ed. 14.

106 Chemistry for the Health Sciences II. (4) I, II. Prerequisite: CHE 105. Continuation of CHE 105 with emphasis on biochemical compounds. Credit will not be awarded to students who have credit for CHE 102. 3 Lec/2 Lab.

111 Introductory Chemistry I. (4) I, II. Prerequisite or Corequisite: ACT math score of 19, or MAT 107, or equivalent. Prepares student for further study in chemistry, nomenclature, structure, stoichiometry, bonding, chemical change. Credit will not be awarded to students who have credit for CHE 101 or CHE 105. 3 Lec/2 Lab. Gen. Ed. 14.

112 Introductory Chemistry II. (5) I, II. Prerequisite: CHE 111 with a grade of "C" or better. Continuation of CHE 111. Coordination compounds, descriptive inorganic chemistry, solution chemistry, and analytical chemistry. 3 Lec/4 Lab.

300 Molecules and Modern Society. (3) A. Formerly CHE 100. No credit for major or minor in chemistry. Survey course for non-science majors. A study of chemicals in the every day life in the essential areas of food, clothing, housing, and health and environmental concerns. Gen. Ed. 15 or 16.

314 Chemical Literature. (1) A. Prerequisite: CHE 361. Introduction to the use of fundamental abstracts, journals, handbooks, review series, and computer searches.

325 Quantitative Analytical Chemistry. (4) A. Prerequisite: CHE 112 with a grade of "C" or better. Introductory course in gravimetric, volumetric, colorimetric, and electrometric analysis, including the interpretation of chemical data and calculations. 2 Lec/6 Lab.

330 Introductory Biochemistry. (4) A. Prerequisites: CHE 102 or 361 and 366; or instructor approval. Not open for non-teaching chemistry majors. Compounds and reactions of biological and nutritional importance. Amino acids, proteins, lipids, carbohydrates, vitamins, enzyme systems, digestion, absorption, pathways. 3 Lec/2 Lab.

349 Cooperative Study: Chemistry. (1-8) A. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours of employment required for each semester hour of academic credit.

361 Organic Chemistry I. (4) I, II. Prerequisite: CHE 112. Corequisite: CHE 366. Bonding; structure; reaction theory; aliphatic hydrocarbons; functional groups; stereochemistry; aromatic hydrocarbons; spectroscopy; substitution and elimination reactions.

362 Organic Chemistry II. (4) I, II. Prerequisites: CHE 361 and 366. Corequisite: CHE 367. Alcohols and ethers; aldehydes and ketones; carboxylic acids and derivatives; carbanions; amines; phenols; carbohydrates and aminoacids.

366 Organic Chemistry Laboratory I. (1) I, II. Corequisite: CHE 361. Experimental work to illustrate principles of organic chemistry. Basic techniques and selected syntheses. A withdrawal from CHE 366 must be matched by a withdrawal from CHE 361. 3 Lab.

367 Organic Chemistry Laboratory II. (1) I, II. Prerequisites: CHE 361 and 366. Corequisite: CHE 362. Experimental work to illustrate principles of organic chemistry. Selected synthetic techniques and advanced techniques such as separation and identification. A withdrawal from CHE 367 must be matched by a withdrawal from CHE 362. 3 Lab.

471 Physical Chemistry I. (4) I. Prerequisites or Corequisites: CHE 325, MAT 223, and PHY 202. A functional knowledge of a computer language is expected. Thermodynamic properties of physiochemical systems; free energy and equilibria; electrochemical processes; electrolytic solutions and activity coefficients. Credit will not be awarded to students who have credit for CHE 511 or CHE 512. 3 Lec/3 Lab.

472 Physical Chemistry II. (4) II. Prerequisite: CHE 471. Kinetic theory of gases and reaction rates; atomic and molecular structures; spectroscopy; introductory statistical thermodynamics. Credit will not be awarded to students who have credit for CHE 511 or CHE 512. 3 Lec/3 Lab.

480 Seminar. (1) II. Prerequisite: CHE 314. Presentation of significant developments from recent literature to members of the chemistry faculty and departmental majors. One weekly meeting. May be retaken to a maximum of two hours.

495 Introduction to Research. (2-5) I, II. Prerequisites: CHE 361, 366, and 471; or instructor approval. Objectives and techniques of chemical research. Problems in all fields of chemistry. May be retaken to a maximum of ten hours. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

501 Chemtopics: ____. (1-3) A. Prerequisite: instructor approval. Topics to be chosen from current and/or specialized area of chemistry such as environmental chemistry or industrial chemistry. Topics will vary according to students needs. May be retaken to a maximum of six hours.

511 Principles of Chemistry I. (3) A. Selected concepts in chemistry in-depth. Equation of state, thermodynamics, and chemical equilibrium. Credit will not be awarded to students who have credit for CHE 471 or CHE 472 or their equivalent.

512 Principles of Chemistry II. (3) A. Prerequisite: CHE 511. Continuation of CHE 511. Chemical kinetics, electrochemistry, and other selected topics. Credit will not be awarded to students who have credit for CHE 471 or CHE 472 or their equivalent.

515 Analysis and Characterization. (4) II. Prerequisites: CHE 362, 367, 471, and 550; or departmental approval. Synthesis, separation, and characterization of inorganic and organic compounds and mixtures. Included will be spectroscopic techniques, preparation of derivatives and methods appropriate for handling of air sensitive compounds and those of low thermal stability. 2 Lec/6 Lab.

525 Instrumental Methods. (4) A. Prerequisites: CHE 325, 362, and 367. Corequisite: CHE 471 or instructor approval. Methods of spectroscopic analysis; electrochemical methods; chromatographic methods. Emphasis placed on broad, functional approach to instrumental techniques. 2 Lec/6 Lab.

530 Biochemistry I. (4) A. Prerequisites: CHE 362, 367, and 471; or instructor approval. Chemistry, metabolism, and biosynthesis of carbohydrates, proteins, and lipids; the action of vitamins, hormones, and enzymes related to cellular metabolism and body processes. 3 Lec/3 Lab.

531 Biochemistry II. (3) A. Prerequisite: CHE 530. Continuation of CHE 530. Topics included are nucleoproteins, energetics, biological catalysis, and functions of biologically important materials.

534 Introduction to Medicinal Chemistry. (3) A. Prerequisites: one semester each in organic and biochemistry. Introductory study of medicinal agents at the molecular level. Pharmacokinetics, drug metabolism, chemical structure-medicinal activity relationships, selective toxicity.

550 Inorganic Chemistry. (3) I. Prerequisite: CHE 472 or instructor approval. Modern concepts of atomic nuclei, atomic structure, and classification of elements. Completions and coordination compounds. Theories of bonding.

560 Mechanistic Chemistry. (3) A. Prerequisites: CHE 362, 367, and 472; or instructor approval. Survey of new reactions and comprehensive study of reaction mechanisms.

570 Physical Chemistry for Biological Sciences. (4) I. Prerequisite: CHE 325 or instructor approval. States of matter, colligative properties of solutions, thermodynamics, equilibrium, electrochemistry, colloids, and reaction kinetics. 3 Lec/3 Lab.

585 Principles of High Polymers. (3) A. Prerequisites: CHE 362 and 367. Preparation and characterization of high polymers; monomers, condensation, and additional polymerization; radical, anionic, and cationic initiation. Emphasis on microstructure of the polymer chain and its effect on macromolecular physical properties. 2 Lec/3 Lab.

GRADUATE COURSES

701 Chemtopics: ____. (1-3) A.
711 Principles of Chemistry I. (3) A.
712 Principles of Chemistry II. (3) A.
715 Analysis and Characterization. (4) II.
725 Instrumental Methods. (4) A.
730 Biochemistry I. (4) A.
731 Biochemistry II. (3) A.
734 Introduction to Medicinal Chemistry. (3) A.
750 Inorganic Chemistry. (3) I.
760 Mechanistic Chemistry. (3) A.
770 Physical Chemistry for Biological Sciences. (4) I.
785 Principles of High Polymers. (3) A.
802 Selected Topics in Analytical Chemistry. (1-3) A.
803 Selected Topics in Biochemistry. (1-3) A.
805 Selected Topics in Inorganic Chemistry. (1-3) A.
806 Selected Topics in Organic Chemistry. (1-3) A.
807 Selected Topics in Physical Chemistry. (1-3) A.
824 Separation Methods. (2) A.
825 Spectroscopy. (3) A.
839 Cooperative Study: Chemistry. (3-6) A.
845 Chemical Laboratory and Demonstration Techniques. (1-4) A.
873 Chemical Thermodynamics. (3) A.
880 Graduate Seminar. (1) II.
881 Seminar for Teachers of Chemistry. (1) A.
890 Graduate Literature and Project Planning. (1) A.
895 Graduate Research. (1-6) A.
895 CContinuation of Graduate Research. (1-9) A.

SCI—Science

310 History of Science. (3) I, II. The development of scientific concepts through the ages; contribution of science to civilization; philosophy of science; biographical sketches. Gen. Ed. 15 or 16.

FOR—Forensic Science

301 Introduction to Criminalistics. (3) A. Introduction to the utilization of physical evidence in law enforcement, an overview of the forensic analysis of firearms, fingerprints, drugs, blood, hair, fibers, paint, glass, and questioned documents.

411 Analytical Methods in Forensic Science I. (3) A. Prerequisites: CHE 325, 361, 362, 366, and 367; or instructor approval. Application of instrumental methods of analysis to the classification of physical evidence. Principles and application of ultraviolent, visible, infrared, and fluorescence spectrophotometry; gas chromography; and thin layer chromatography. 2 Lec/3 Lab.

412 Analytical Methods in Forensic Science II. (4) A. Prerequisite: FOR 411 or instructor approval. Continuation of FOR 411. Application of chemical instrumentation to the separation, identification, and comparison of drugs, paint, glass, fibers, arson evidence, and other materials commonly encountered in the crime laboratory. 2 Lec/6 Lab.

421 Forensic Serology. (3) A. Prerequisite: FOR 411 or instructor approval. Introduction to the laboratory examination of blood, blood stains, and body fluids; techniques in handling dried blood. 2 Lec/3 Lab.

430 Analytical Toxicology. (3) A. Prerequisites: FOR 411 and 412; or instructor approval. Study of the biochemical activity of poisons and drugs; isolation and identification of barbiturates, amphetamines, tranquilizers, and other drugs of forensic interest. 2 Lec/3 Lab.

451 Forensic Microscopic Analysis. (3) A. Introduction to microscopic analysis; identification and characterization of materials, such as glass, hair, fiber, paint, and soil. 2 Lec/3 Lab.

460 Selected Topics in Forensic Science. (1-3) A. Prerequisite: instructor approval. Topics will be chosen from areas of current interest and may be retaken for credit when new topics are offered. Topics and credit will be announced prior to each offering.

465 Expert Witness Testimony. (2) A. Topics include ethical issues relating to expert witness; qualifications of scientific experts; elements of courtroom testimony relating to expert witness. Videotaping of testifying in mock courtroom situations also included.

490 Introduction to Research. (1-3) A. Prerequisites: FOR 411, 412, and instructor approval. Instruction to laboratory research in one of the areas of forensic science. May be retaken to a maximum of six hours, but only three hours may be counted toward the major requirements. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

495 Internship. (3,6,9,12) A. Prerequisites: FOR 411, 412, and instructor approval. Final year. Independent laboratory work and study at an affiliated crime laboratory. May be retaken to a maximum of 12 hours, but only six hours may be counted toward the major requirements. Four to 16 weeks.

DEPARTMENT OF GEOLOGY

G. Kuhnhenn, Chair; Dean, Ewers, Farrar, Helfrich, Kepferle, Leung.

The Department of Geology offers curricula leading to the Bachelor of Arts degree in geology and the Bachelor of Science degrees in geology and in earth science. The B.A. degree program is designed for students seeking a liberal arts education. The B.S. degree program is directed toward students pursuing a profession in geology. Students seeking a teaching career are directed toward the B.S. degree in earth science which is offered in cooperation with the College of Education.

Geology

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 31 hours
GLY 108, 109, 309, 408, 409, 410, 411, 412, and three hours of approved geology courses.

Supporting Course Requirements ..... 19-23 hours
BIO 100 or 141 or NAT 101; CHE 101 or 111; MAT 115 and 121, or 261; NAT 171 or PHY 101 or 131; and two semesters of foreign language approved by department.

General Education Requirements ..... 34 hours
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
NMO 100 and eight hours of restricted electives.
Free Electives ..... **31-35 hours**
Total Curriculum Requirements ..... **128 hours**

Geology

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... **37-39 hours**
GLY 309, 311, 409, 410, 411, 412, 451, 550, and two additional approved geology courses.
Supporting Course Requirements ..... **33 hours**
BIO 141, CHE 111, 112, GEO 355, MAT 115, 121, 122, PHY 131, and 132. Some statistics and computer science are recommended.
General Education Requirements ..... **34 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **9 hours**
NMO 100 and eight hours of restricted electives.
Free Electives ..... **13-15 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN GEOLOGY

A student may minor in geology by completing a minimum of 18 (21 for teaching certification) semester hours as follows: GLY 108, 109, and a minimum of 12 hours of approved geology courses. GLY 107, 302, 304, 349, 390, 500, or 501 may not be used to satisfy minor requirements.

Earth Science (Teaching)

MAJOR (BACHELOR OF SCIENCE)

Refer to the College of Education section of this *Catalog* regarding several teacher certification requirements associated with this degree program.

Major Requirements ..... **30 hours**
AGR 215, AST 135, GEO 210, 215, GLY 108, 109, 304, 308, 351, and 390.
Minor Requirements ..... **13-18 hours**
A teaching minor must be taken in another natural science, computer science, or mathematics.
Supporting Course Requirements ..... **13-17 hours**
BIO 100 or 141 or NAT 101; CHE 101 or 111; MAT 115 and 121, or 261; and NAT 171 or PHY 101 or 131.
Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 451, 498, and 499.
General Education Requirements ..... **34 hours**
Standard General Education program, excluding course categories 13, 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **9 hours**
NMO 100 and eight hours of restricted electives.
Free Electives ..... **0-9 hours**
Total Curriculum Requirements ..... **136 hours**

MINOR IN EARTH SCIENCE (TEACHING)

A student may minor in earth science by completing a minimum of 21 semester hours as follows: GLY 108, 109, 304, 308, 390, GEO 215, and AST 135. An earth science minor is not recommended for non-teaching majors.

GRADUATE PROGRAMS

The Department of Geology offers the Master of Science degree in geology. The M.S. degree program is designed to provide students with a broad background in geology, plus a more in-depth knowledge of at least one area of geology through thesis research.

The Master of Arts in Education degree with an option in earth science is offered in the College of Education with the cooperation of the Department of Geology. The Department of Geology cooperates with the other natural science departments and the College of Education in offering the Master of Arts in Education with an option in general science. Regulations for these degrees can be found in the College of Education section of the *Graduate Catalog*.

Course Descriptions

Two courses in marine geology are offered (in cooperation with Gulf Coast Research Laboratory).

GLY—Geology

107 Principles of Geology. (3) I, II. Non-laboratory physical science. Course content is same as GLY 108 except that laboratory is replaced by discussion section covering selected general interest topics. Credit will not be awarded to students who have credit for GLY 108. Gen. Ed. 15 or 16.

108 Principles of Geology. (3) I, II. General geology including the study of common minerals and rocks and geologic processes. Designed primarily for non-science majors. Credit will not be awarded to students who have credit for GLY 107. 2 Lec/2 Lab. Gen. Ed. 14.

109 Principles of Historical Geology. (3) I, II. General study of the physical and biological history of the earth Designed primarily for non-science majors. 2 Lec/2 Lab. Gen. Ed. 14.

302 Earth Science. (3) A. Introduction to the universe and our solar system, the earth's atmospheric and climatic elements, its physical processes and features, organic development, and natural resources. Gen. Ed. 15 or 16.

304 Introduction to Oceanography. (3) I, II. Formerly GLY 104. The ocean basins, water circulation, energy budgets, ocean floor sediments, and marine life environments. Interactions with the atmosphere and lithosphere will be considered. Gen. Ed. 15 or 16.

308 Minerals, Rocks, and Fossils. (3) I. Formerly GLY 208. Origin, distribution, and identification of common minerals, rocks, and fossils. 2 Lec/2 Lab.

309 Introduction to Mineralogy. (5) I. Prerequisite: CHE 111 or departmental approval. Classification, genesis, occurrence, and use of minerals with introduction to crystallography. Emphasis placed on physical mineralogy, mineral identification, and mineral genesis. 3 Lec/4 Lab.

311 Optical Mineralogy. (3) II. Prerequisite: GLY 309. Optical properties of non-opaque minerals relative to crystal symmetry and chemistry as a basis for identification using the petrographic microscope. Investigation of rock-forming minerals using oil-immersion and thin section techniques. 2 Lec/2 Lab.

351 Field Geology. (3) A. Prerequisite: junior standing or departmental approval. Field techniques, description and measurement of stratigraphic sections, and fundamental geologic mapping. 1 Lec/4 Field (Saturdays).

390 Environmental Geology. (3) A. Study of interaction of human activity and hazardous geologic processes. Designed for non-science majors. Gen. Ed. 15 or 16.

398 Independent Studies in Geology. (1-6) I, II. Prerequisite: departmental approval. Topic determined by student and instructor. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours provided topic is different each time.

408 Process Geomorphology. (3) II. Prerequisite: GLY 108 or departmental approval. An in-depth study of the geologic processes involved in landform development.

409 Petrography and Petrology. (4) I. Prerequisite: GLY 311. Nature and origin of rocks, igneous, metamorphic and sedimentary, based on investigation of hand specimens and thin sections using the petrographic microscope. Emphasis on genetically meaningful description and classification of crystalline rocks. 3 Lec/2 Lab.

410 Structural Geology. (3) I. Prerequisites: GLY 409 and MAT 108; or departmental approval. Architecture of the earth. Emphasis on the geometry of deformed rocks and solution of structural problems. 2 Lec/2 Lab.

411 Invertebrate Paleontology. (4) I. Prerequisite: BIO 141 or departmental approval. Morphology, distribution in time and space, evolution, and paleoecology of fossil invertebrates. 2 Lec/4 Lab.

412 Stratigraphy and Sedimentation. (3) II. Prerequisite: GLY 309. Principles of stratigraphy and sedimentation with references to North American rock sequences. 2 Lec/2 Lab.

451 Geologic Field Studies. (6) SUMMER ONLY. Prerequisite: GLY 410 or departmental approval. Field-training program of comprehensive scope in the Northern and Central Rocky Mountains (6 weeks). Description of stratigraphic sections; geologic mapping (detailed and reconnaissance) of sedimentary, metamorphic, and igneous terrains; interpretation of complex structure; regional geology with stress on tectonics; evidence of recent geologic activity and national park visits.

500 Earth Science Problems for Teachers: ____. (1-3) I, II. Prerequisite: departmental approval. Designed to fit needs of individual students majoring in education (general science) who need special instruction in the earth sciences. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of nine hours provided topic is different each time.

501 Physical Geology for Teachers. (3) A. Fundamental composition and structure of the earth, minerals, rocks, landform origins, and modifying agents. Designed for teachers with emphasis on laboratory techniques.

530 Geophysics. (3) A. Prerequisites: PHY 131 and 132; or departmental approval. Fundamentals of gravity and isostasy, seismology, geomagnetism, geothermics, and geochronology. Introductory gravimetric, magnetic, electrical, and seismic prospecting techniques.

535 Hydrogeology. (3) I. Prerequisites: GLY 409 and 410; or departmental approval. Origin, occurrence, movement, utilization, and conservation of groundwater. Qualitative and quantitative presentation of geological, physical, and geochemical aspects of groundwater hydrology. 2 Lec/2 Lab.

550 Historical Geology. (3) A. Prerequisite: senior standing or departmental approval. Synthesis of major processes and events of physical and biological history of the earth using principles and conclusions learned in major program, through basin analysis. 2 Lec/2 Lab.

555 Geology of North America. (3) A. Prerequisite: GLY 410 or departmental approval. Regional geology of the North American continent in space and time, an integrated perspective. Emphasis on methodology of tectonic maps, significance of key stratigraphic sequences, dependency of sedimentation and igneous activity on tectonics, orogenesis and its consequences, and plate tectonic interpretations.

580 Selected Topics: ____. (1-3) A. Prerequisite: departmental approval. Designed to explore specific aspects of geology. May be retaken to a maximum of six hours provided topic is different each time.

GRADUATE COURSES

700 Earth Science Problems for Teachers: ____. (1-3) I, II.
701 Physical Geology for Teachers. (3) A.
730 Geophysics. (3) A.
735 Hydrogeology. (3) I.
750 Historical Geology. (3) A.
755 Geology of North America. (3) A.
780 Selected Topics: ____. (1-3) A.
801 Historical Geology for Teachers. (3) A.
802 Scientific Communication in Geology. (2) I.
805 Advanced Structural Geology. (3) A.
811 Paleoecology of Invertebrates. (3) A.
812 Clay Mineralogy. (3) A.
821 Sedimentology. (3) A.
822 Igneous and Metamorphic Petrology. (4) I.
823 Sedimentary Petrology. (3) II.
824 Carbonate Petrology. (3) A.
832 Petroleum Geology. (3) A.
860 Geochemistry. (3) I.
880 Seminar: ____. (1-3) A.
898 Special Problems in Geology. (1-6) I, II.
899 Thesis. (3-6) I, II.
899 CThesis. (3-9) I, II.

DEPARTMENT OF

MATHEMATICS, STATISTICS, AND COMPUTER SCIENCE

M. Fleming, Chair; Bland, Brooks, Buskirk, Cain, P.J. Costello, P.S. Costello, Fields, Franke, Givan, Greenwell, Janeway, Jones, King, B. Lane, J. Lane, J. LeVan, M. LeVan, McAfee, Metcalf, Nayle, Nelson, Ng, Petry, Pierce, Rezaie, Rhee, Rink, Robison, Ryoti, Schnare, Stribling, Styer, Wilson, Wong.

The Department of Mathematics, Statistics, and Computer Science offers Bachelor of Science degree programs in computer science, mathematics, and statistics. In cooperation with the College of Education, the Department provides options in mathematics and in computer science/mathematics, each leading to teacher certification with the Bachelor of Science degree.

In addition to its programs for undergraduate majors and graduate students, the Department of Mathematics, Statistics, and Computer Science offers a minor in computer science, computer science (teaching), mathematical sciences, mathematics, mathematics (teaching), and statistics. Other courses are offered in computer science, mathematics, and statistics for students majoring in a wide range of fields of study.

PROGRAM OBJECTIVES COMPUTER SCIENCE

This program is accredited by the Computer Science Accreditation Board of the Computer Science Accreditation Council.

Upon completion of this program the graduate will: (1) have a working knowledge of some common programming languages and operating systems; (2) have experience with analysis of software systems, design, documentation, and implementation techniques both as an individual and as a member of a design team; (3) have experience with analysis of hardware systems, design, and implementation techniques; (4) be qualified for employment as a computer scientist in industry or in government; and (5) be prepared to enter a graduate program in computer science.

Computer Science

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 42 hours
CSC 180, 181, 200, 209, 306, 310, 312, 320, 350, 370, 400, 425, plus two of CSC 300, 390, 440, 450, 460, 490, or 545.

Supporting Course Requirements ..... 36 hours
MAT 115; 121 or 121H; 122 or 122H; 214; 223 or 223H; STA 270, 370, EET 252. Four courses in the natural sciences which must include one biological lab science course, one physical lab science course, and one of the following sequences: BIO 131, 141; CHE 111, 112; or PHY 201, 202.

General Education Requirements+ ..... 34 hours
Standard General Education program, excluding categories 13, 14, 15 and 16. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ..... 9 hours
NMO 100 and eight hours of restricted electives.

Free Electives ..... 7 hours

Total Curriculum Requirements ..... 128 hours

+Students completing a double major in mathematics (B.S.) and in computer science (B.S.) must complete the standard General Education program, excluding categories 03, 04, 13, 14, 15 and 16.

PROGRAM OBJECTIVES
COMPUTER SCIENCE/MATHEMATICS (TEACHING)

Upon completion of this program the student will: (1) understand the principles of pre-college computer science and mathematics; (2) be able to explain the basic concepts of computer science and mathematics and their applications to social, economic, and scientific problems; (3) understand the importance and power of computer science and mathematics in our rapidly changing technological age; and (4) be prepared to pursue a graduate program in this or a related area.

Computer Science/Mathematics (Teaching)

MAJOR (BACHELOR OF SCIENCE)

Refer to the College of Education section of this *Catalog* regarding several teacher certification requirements associated with this degree program.

Major Requirements ..... 40 hours
CSC 180, 181, 200, 209; 305 or 306; 310, 312, MAT 115, 121 or 121H; 122 or 122H; 214; 223 or 223H; 301, 334. Only courses completed with a grade of at least "C" will count toward the major requirements.

Supporting Course Requirement ..... 3 hours
STA 270.

Teacher Education Requirements ..... 28 hours
EDF 102, 202, 317, EPY 318, ESE 450, 498, and 499.

General Education Requirements ..... 43 hours
Standard General Education program, excluding course category 03. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
NMO 100 and eight hours of restricted electives.

Free Electives ..... 5 hours

Total Curriculum Requirements ..... 128 hours

PROGRAM OBJECTIVES
MATHEMATICS

Upon successful completion of this program, the graduate will: (1) be able to apply mathematical techniques to social, economic, and scientific problems; (2) understand the importance and power of mathematics in our rapidly changing technological age; (3) be prepared to pursue a graduate program in this or a related area; and (4) be well qualified for employment in any position requiring undergraduate training in mathematics.

Mathematics

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 39 hours
MAT 121 or 121H; 122 or 122H; 214; 223 or 223H; 225 or 225H; 301, 308, 353, 414; either 311 and 415 or 311 or 415; one of 506, 540, 550, or 560; six hours chosen from CSC 300, 320, STA 370, 520, or 521; and any MAT course numbered 300 or above (except for 303, 349, 501, or 502). Only courses completed with a grade of at least "C" will count toward the major requirements.

Supporting Course Requirements ..... 7 hours
MAT 115, CSC 180, and any three hour STA course numbered 270 or above (except 349). Students planning to attend a graduate school in mathematics are strongly encouraged to select an in-depth study of a single foreign language as a part of their program.

General Education Requirements ..... 46 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
NMO 100 and eight hours of restricted electives.

Free Electives ..... 27 hours

Total Curriculum Requirements ..... 128 hours

PROGRAM OBJECTIVES
MATHEMATICS (TEACHING)

Upon successful completion of this program, the graduate will have a teacher's certification in mathematics and will: (1) understand the principles of pre-college mathematics; (2) be able to explain mathematical concepts and applications to social, economic, and scientific problems; (3) understand the importance and power of mathematics in our rapidly changing technological age; and (4) be prepared to pursue a graduate program in this or some related area.

Mathematics (Teaching)

MAJOR (BACHELOR OF SCIENCE)

Refer to the College of Education section of this *Catalog* regarding several teacher certification requirements associated with this degree program.

Major Requirements ..... 36 hours
MAT 121 or 121H; 122 or 122H; 214; 223 or 223H; 225 or 225H; 301, 308, 334, 414, 580; six hours of courses chosen from CSC 300, 320, STA 370, 520, or 521; and any MAT course numbered 300 or above (except for 303, 349, 501, or 502). Only courses completed with a grade of at least "C" will count toward the major requirements.

Supporting Course Requirements ..... 7 hours
Three hours of an approved programming language, MAT 115, and STA 270.

Teacher Education Requirements ..... 28 hours
EDF 102, 202, 317, EPY 318, ESE 450, 498, and 499.

General Education Requirements ..... 43 hours
Standard General Education program, excluding course category 03. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
NMO 100 and eight hours of restricted electives.

Free Electives ..... 5 hours

Total Curriculum Requirements ..... 128 hours

PROGRAM OBJECTIVES
STATISTICS

Upon successful completion of this program, the graduate will: (1) understand the applications and use of statistics in everyday life; (2) be able to apply a wide variety of statistical techniques; (3) be familiar with computer packages which perform statistical analysis; (4) be well qualified for employment in industry, government, and the actuarial profession; and (5) be prepared to pursue graduate work in statistics.

Statistics

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 42 hours
STA 270, 271, 370, 520, 521, two of STA 375, 501, or 575, with a cumulative GPA of 2.0 in these STA courses; MAT 121 or 121H; 122 or 122H; 214; 223 or 223H; 225 or 225H; and six hours of CSC/MAT/STA numbered 300 or above (except for 349 and CSC 305, MAT 303, 501, 502, 514, or STA 500, 503).

Supporting Course Requirement ..... 4 hours
Three hours of an approved programming language and MAT 115.

General Education Requirements ..... 46 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
NMO 100 and eight hours of restricted electives.

Free Electives ..... 27 hours

Total Curriculum Requirements ..... 128 hours

MINOR IN COMPUTER SCIENCE

A student may minor in computer science by completing CSC 180, 181, 200, 209, 310, and 312.

MINOR IN COMPUTER SCIENCE (TEACHING)

A student may minor in computer science (teaching) by completing a minimum of 21 hours of courses in the mathematical sciences including CSC 180, 181, 200, 305, three hours of another approved programming language, STA 270, and one of MAT 115 and 121 or 121H, or 211, or 261.

MINOR IN THE MATHEMATICAL SCIENCES

A student may minor in mathematical sciences by completing a minimum of six hours in each of computer science, mathematics, and statistics for a total of 18 hours as follows: computer science—CSC 180 or 300; any other CSC course (except for CSC 104, 305, or 349); mathematics—MAT 261 and 262, or MAT 115, 121 and 122, or MAT 115, 121H and 122H; and statistics—two of STA 270, 271, 370, 500, 501, or 575.

MINOR IN MATHEMATICS

A student may minor in mathematics by completing 18 hours including MAT 115; 121 or 121H; 122 or 122H; 223 or 223H; and nine hours selected from MAT 214; 225 or 225H; CSC 300 or 320; STA 370 or 520; or any MAT course numbered 300 or above (except for MAT 349).

MINOR IN MATHEMATICS (TEACHING)

A student may minor in mathematics (teaching) by completing a total of 21 hours of courses in the mathematical sciences including MAT 115; 121 or 121H; 122 or 122H; 214; 223 or 223H; 301, and 334.

MINOR IN STATISTICS

A student may minor in statistics by completing 18 hours of mathematical science courses including 12 hours of STA courses and six hours selected from any additional STA courses (except for 349), any CSC courses (except for 104, 305 or 349), or any calculus courses.

GRADUATE PROGRAMS

The Master of Science degree is offered by the Department of Mathematics, Statistics, and Computer Science to prepare the student for positions in government or industry, for teaching at the college or pre-college levels, or for advanced graduate study. Further information and degree requirements can be found in the *Graduate Catalog*.

The Master of Arts in Education with an option in mathematics is offered in the College of Education with the cooperation of the Department of Mathematics, Statistics, and Computer Science. Further information can be found in the *Graduate Catalog*.

Course Descriptions

CSC—Computer Science

104 Computer Literacy with Software Applications. (3) I, II. A non-technical survey of computer history, hardware, and software. Implications of the use and misuse of computers. The effect of computers on society. Software applications such as word processors, spread sheets, databases, and graphics. Credit will not be awarded to students who have credit for CSC 102. 3 Lec (1 Lab when taught in large lecture sections.) Gen. Ed. 03 or 04.

105 Software Applications Topics: ____. (1-3) A. Prerequisite: CSC 104. Selected topics in software applications. Topics vary with offering. May be retaken with advisor approval to a maximum of nine hours provided the topics are different.

171 Introduction to Computer Programming—BASIC. (1) I, II. Programming in the computer language BASIC: input/output, decision, looping, arrays. Credit will not be awarded to students who have credit for CSC 102. Gen. Ed. 03 or 04.

172 Advanced BASIC. (2) I, II. Prerequisite: CSC 171 or departmental approval. Sequential and direct access file handling, character string operators, user defined functions and subroutines, other topics. Gen. Ed. 03 or 04.

174 Introduction to Computer Programming—FORTRAN. (3) I, II. Introductory programming in FORTRAN, input/output, decision, loops, arrays, subroutines, functions, files. Gen. Ed. 03 or 04.

175 Programming in Logo. (3) A. An introduction to the computer language Logo. Modularity, input/output, decision, looping, and recursion, with both graphics and lists.

178 Programming in ____. (1-3) A. Programming in selected languages, with appropriate applications. May be retaken to a maximum of six hours, provided the languages are different.

180 Introduction to Computer Programming—Pascal. (3) I, II. Introduction to problem solving with computers using the structured language Pascal, and the UNIX operating system. Basic concepts include data types, control structures, arrays, functions, procedures, input/output features, and the UNIX shell. Credit will not be awarded to students who have credit for CSC 182. Gen. Ed. 03 or 04.

181 Advanced Computer Programming—Pascal. (3) I, II. Prerequisite: CSC 180. Modular programming, searching and sorting algorithms, records, pointers, linked lists, stacks, trees, files, and symbolic debugging. Credit will not be awarded to students who have credit for CSC 182.

182 Algorithms and Pascal Programming. (6) I, II. Prerequisite: departmental approval. A combination of CSC 180 and 181. Programming in Pascal and algorithmic design. Credit will not be awarded to students who have credit for CSC 180 or CSC 181.

200 Introduction to Computer Organization. (3) I, II. Prerequisite: CSC 181 or departmental approval. Computer structure, assembly language, instruction execution, addressing, data representation, macro definition and generation, utility programs, programming techniques.

209 The Language C and Introduction to Software Engineering. (3) I, II. Prerequisite: CSC 181. C datatypes, control flow, pointers, arrays, functions, user defined libraries, program design and analysis. Credit will not be awarded to students who have credit for CIS 265 or CIS 365.

300 Introduction to Numerical Methods. (3) A. Prerequisites: MAT 223 and an approved programming language. Error analysis, nonlinear equations, interpolation, numerical differentiation and integration, ordinary differential equations, direct and interactive methods of solving linear systems, approximation.

305 Computers and Society. (3) A. Cross listed as POL 305 and SOC 305. The influence of computers on social and political processes. Software related to socio-political issues. Credit will not count toward major/minor requirements except for CSC teaching programs. Credit will not be awarded to students who have credit for POL 305 or SOC 305.

306 Ethics for the Computer Professional. (3) A. Prerequisite: CSC 209 or departmental approval. Computer crime, privacy, responsibility and liability for software. Program verification.

310 Data Structures. (3) I, II. Prerequisites: CSC 209, MAT 122, and with at least a "C" average in CSC 180, 181, and 209. The application and implementation of data structures including arrays, stacks, queues, linked lists, and trees. Internal searching and sorting techniques. The analysis of algorithms.

312 File Processing. (3) I, II. Formerly CSC 309. Prerequisites: CSC 310 and MAT 122. File organization and file storage devices. Algorithms for storing, updating, and sorting files are discussed and analyzed.

320 Discrete Structures. (3) I, II. Prerequisites: CSC 310 and MAT 214. Mathematical concepts used in computer science. Combinatiorial algorithms, finite state machines, Turing machines, and graph theory.

349 Cooperative Study: Computer Science. (1-8) I, II; (1-6) SUMMER ONLY. Prerequisite: departmental approval. Work in placements related to academic studies. Credit does not apply to major or minor requirements. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours of employment is required for each semester hour of academic credit.

350 Principles of Programming Languages. (3) I, II. Prerequisite: CSC 310. The principles used in the design and implementation of programming languages. Language descriptions, structural implementations, and specialized features of languages.

370 Computer Architecture. (3) A. Prerequisites: CSC 200 and EET 252. Information representation, Boolean algebra and combinatorial logic, memory and storage, elementary machines, addressing schemes, stack and parallel computers, overlap and pipeline processing, microprogramming, performance evaluation.

390 Advanced Programming Techniques with Ada. (3) A. Prerequisite: CSC 312. An introduction to the Ada programming language with emphasis on the special features of Ada which allow for data abstraction, exception handling, and tasking.

400 Operating Systems. (3) I, II. Prerequisites: CSC 320 and 370. Overall structure of multiprogramming systems, details of addressing techniques, memory-management, file system design and management, file system design and management, traffic control, interprocess communication, system module design, interfaces.

425 Compiler Construction. (3) I, II. Prerequisites: CSC 320 and 350. Basic concepts of lexical analysis and syntax analysis. A programming team project will implement these concepts.

440 Introduction to Software Engineering. (3) A. Prerequisites: CSC 312 and 320. Introduction to the practical applications of scientific knowledge in the design and construction of software systems and to the documentation required to develop, operate, and maintain such systems.

450 Graphics Programming. (3) A. Prerequisites: MAT 223, CSC 312, and 320. Graphics standards. Programming for storage, modification and display of graphics data structures/bases. Realistic representation and transformation of geometric objects emphasizing interactive color raster displays.

460 Computer Network Architecture. (3) A. Prerequisite: CSC 400. Introduction to the subject of computer networks and layered protocols, architecture of data communication systems, point-to-point networks, local networks, end-to-end protocols and internetworking.

490 Seminar in ____. (1-3) A. Prerequisite: departmental approval. For advanced students in computer science. Subject announced when offered. May be retaken to a maximum of 12 hours, provided that the topics are different.

495 Independent Work. (1-3) I, II. Prerequisite: departmental approval. Directed study/research on a problem or area chosen in consultation with the instructor. Final paper required. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

507 Seminar in Computer Science: ____. (1-3) A. Prerequisite: departmental approval. Topics vary with offering. May be retaken with advisor approval, provided the topics are different.

530 Concepts of Programming Systems. (3) A. Prerequisite: departmental approval. The top-down design of algorithms, structured programming, control structures, subprograms, files, and lists. Programs will be written in a high level language.

545 Theory of Database Systems. (3) A. Prerequisites: CSC 312 and 320. Models and principles of information systems. Database languages. The logical and physical design, and the implementation and use, of database management systems.

546 Artificial Intelligence. (3) A. Prerequisite: CSC 310 or 530. The use of programming languages to model concepts selected from artificial intelligence. The application of heuristics to problem solving. Perception and pattern recognition.

GRADUATE COURSES

707 Seminar in Computer Science: ____. (1-3) A.
730 Concepts of Programming Systems. (3) A.
745 Theory of Database Systems. (3) A.
746 Artificial Intelligence. (3) A.
801 Discrete Structures in Secondary Computer Science Education. (3) A.
812 Microcomputer Architecture and Software. (3) A.
831 Data Structures and Algorithms I. (3) A.
833 Data Structures and Algorithms II. (3) A.
834 Software Engineering and Project Management. (3) A.
839 Cooperative Study: Computer Science. (1-3) A.
842 Parallel Algorithms. (3) A.
880 Seminar in: ____. (1-3) A.

MAT—Mathematics

090 Prealgebra. (3) Institutional Credit. I, II. Real number system, ratio and proportion, order of operations, measurement, exponents and radicals, probability and statistics, graphs, a strong strand of geometry, and basic algebraic concepts such as solving linear equations and understanding variables and algebraic expressions. May be taken by referral only. 3 Lec (1 Lab when taught in large lecture sections.)

093 Basic Descriptive Geometry. (1) Institutional Credit. I, II. Prerequisite: MAT 090 or equivalent. Classification of geometric figures, measurement of segments and angles, triangles and their properties, similarity, the Pythagorean Theorem, area, perimeter, volume, rectangular coordinate systems. May be taken by referral only. 1 Lec (1 Lab when taught in large lecture sections.)

095 Algebra I. (3) Institutional Credit. I, II. Prerequisites: MAT 090 with a course grade of at least "C" and MAT 093 or Corequisite: MAT 093; or equivalent. Real number system, number theory, algebraic expressions and sentences, linear and quadratic equations, inequalities, operations with polynomials, relations and functions, graphing equalities and inequalities, radical expressions, factoring polynomials, and systems of equations. May be taken by referral only. 3 Lec (1 Lab when taught in large lecture sections.)

106 Applied Finite Mathematics. (3) I, II. Prerequisite: MAT 095 or equivalent. The introduction to the application of mathematics to real-world problems. Topics are from various branches of discrete mathematics such as graph theory and game theory. Probability, geometry, and problems from the social sciences. 3 Lec (1 Lab when taught in large lecture sections.) Gen. Ed. 03 or 04.

107 College Algebra. (3) I, II. Prerequisite: grade of at least "C" in MAT 095 or equivalent. Real and complex numbers, integer and rational exponents, polynomial and rational equations and inequalities, graphs of functions and relations, exponential and logarithmic functions, systems of equations, matrices. Use of graphic calculators. 3 Lec (1 Lab when taught in large lecture sections.) Gen. Ed. 03 or 04.

108 Trigonometry. (3) I, II. Prerequisite: a grade of at least "C" in MAT 107 or equivalent. Radians and degrees, properties of trigonometric functions, multiple angle expressions, triangle solutions, inverse functions, complex numbers. Use of graphic calculators. Credit will not be awarded to students who have credit for MAT 109.

109 Precalculus Mathematics. (5) I, II. Prerequisite: grade of at least "C" in MAT 107 or equivalent. Polynomial, rational, exponential, logarithmic, and trigonometric functions and inverses. Sequences and series, systems of linear and nonlinear equations and inequalities, the complex number system, vectors, the binomial theorem, mathematical induction, and conic sections. Use of graphics calculators. Three hours of credit will not be awarded to students who have completed for MAT 108. Three hours of credit count toward Gen. Ed. 03 or 04.

115 Introduction to Mathematica. (1) I, II. Prerequisite: MAT 108 or equivalent. Use of Mathematica. Numeric, algebraic, and symbolic capabilities, two dimensional and three dimensional graphics with animation, decisions, looping, and list manipulation.

121 Calculus and Analytic Geometry I. (3) I, II. Prerequisites: MAT 107 and MAT 108 or equivalent. Corequisite: MAT 115. Students who plan to enroll in MAT 122 should complete MAT 109 before enrolling in MAT 121. Analytic geometry, limits, continuity, derivatives and applications, the use of the computer package Mathematica. Credit will not be awarded to students who have credit for MAT 121H or MAT 124 or MAT 211 or MAT 261. Gen. Ed. 03 or 04.

121H Honors Calculus I. (3) I. Prerequisites: score of 27 on the ACT mathematics test and the equivalent of MAT 109; or departmental approval. Corequisite: MAT 115. Analytic geometry, limits, continuity, derivatives and applications, the use of the computer package Mathematica. The material is treated in greater depth and with more rigor than in MAT 121. Challenging problems and special projects will be assigned. Credit will not be awarded to students who have credit for MAT 121 or MAT 124 or MAT 211 or MAT 261. Gen. Ed. 03 or 04.

122 Calculus and Analytic Geometry II. (3) I, II. Prerequisite: MAT 121 with a minimum grade of "C." Antiderivatives, applications and techniques of integration, transcendental functions, indeterminate forms, the use of the computer package Mathematica. Credit will not be awarded to students who have credit for MAT 122H or MAT 224 or MAT 262. Gen. Ed. 03 or 04.

122H Honors Calculus II. (3) II. Prerequisite: MAT 121H with a minimum grade of "C" or departmental approval. Antiderivatives, applications and techniques of integration, transcendental functions, indeterminate forms, the use of the computer package Mathematica. The material is treated in greater depth and with more rigor than in MAT 122. Challenging problems and special projects will be assigned. Credit will not be awarded to students who have credit for MAT 122 or MAT 224 or MAT 262. Gen. Ed. 03 or 04.

124 Differential and Integral Calculus. (4) I, II. Prerequisite: MAT 109 or equivalent. Corequisite: MAT 115. Limits and continuity, the derivative and applications, antiderivatives, the definite integral and applications, the use of the computer package Mathematica. Credit will not be awarded to students who have credit for MAT 121 or MAT 121H or MAT 211 or MAT 261. Gen. Ed. 03 or 04.

201 Mathematical Concepts for Middle and Elementary School Teachers I. (3) I, II. Prerequisites: admission to a certification program in elementary, middle school, or special education and an acceptable score on a placement test. Concepts stressed over manipulation. Sets and functions, whole numbers, integers, rational numbers, decimals and real numbers, numeration, and elementary number theory.

202 Mathematical Concepts for Middle and Elementary School Teachers II. (3) I, II. Prerequisites: MAT 201 with a minimum grade of "C" and an acceptable score on a geometry placement test. Concepts stressed over manipulation. Geometry, measurement, metric system, probability and basic statistics.

203 Geometry for Middle and Elementary School Teachers. (3) I, II. Prerequisites: admission to a certification program in elementary or middle school teaching and MAT 202. Angles and their measurement, right triangle trigonometry, perpendicular lines, congruent triangles, circles, arcs, and angles, constructions and loci, area and volume, similarity, graphing, selected topics from analytic geometry.

211 Calculus with Applications for Business and Economics. (3) A. Prerequisite: grade of at least "C" in MAT 107 or equivalent. Functions and graphs, differentiation, marginal costs, revenue and profit, integration, exponential and logarithmic functions, other applications. Credit will not be awarded to students who have credit for MAT 121 or MAT 121H or MAT 124 or MAT 261. Gen. Ed. 03 or 04.

214 Linear Algebra and Matrices. (3) I, II. Prerequisite: MAT 115 and 121 or 121H; or 261. Real and complex vector spaces, linear transformations, matrix theory, with applications, through the introduction of eigenvalues and eigenvectors, determinants, inner product spaces, the use of the computer package Mathematica.

223 Calculus and Analytic Geometry III. (3) I, II. Prerequisite: MAT 122 with minimum grade of "C." Further techniques of integration, improper integrals, conic sections, vectors and solid analytic geometry, infinite series, the use of the computer package Mathematica. Credit will not be awarded to students who have credit for MAT 223H or MAT 224.

223H Honors Calculus III. (3) I. Prerequisite: MAT 122H with minimum grade of "C" or departmental approval. Further techniques of integration, improper integrals, conic sections, vectors and solid analytic geometry, infinite series, the use of the computer package Mathematica. The material is treated in greater depth and with more rigor than in MAT 223. Challenging problems and special projects will be assigned. Credit will not be awarded to students who have credit for MAT 223 or MAT 224.

224 Topics in Calculus. (5) I, II. Prerequisite: MAT 115 and 124 or equivalent with minimum grade of "C." Transcendental functions, integration techniques, indeterminate forms, improper integrals, infinite series, conic sections, vectors and solid analytic geometry, the use of the computer package Mathematica. Credit will not be awarded to students who have credit for MAT 122 or MAT 122H or MAT 223 or MAT 223H or MAT 262.

225 Calculus IV. (3) I, II. Prerequisite: MAT 223 or 224 with a minimum grade of "C." Functions of several variables, partial differentiation and multiple integration, topics in vector calculus, the use of the computer package Mathematica. Credit will not be awarded to students who have credit for MAT 225H.

225H Honors Calculus IV. (3) II. Prerequisite: MAT 223H with minimum grade of "C" or departmental approval. Functions of several variables, partial differentiation and multiple integration, topics in vector calculus, the use of the computer package Mathematica. The material is treated in greater depth and with more rigor than in MAT 225. Challenging problems and special projects will be assigned. Credit will not be awarded to students who have credit for MAT 225.

261 Calculus with Applications for Science I. (3) A. Prerequisite: grade of at least "C" in MAT 107 or equivalent. Introduction to calculus with applications in the sciences. Functions and graphs, differentiation, integration, exponential and logarithmic functions. Credit will not be awarded to students who have credit for MAT 121 or MAT 121H or MAT 124 or MAT 211. Gen. Ed. 03 or 04.

262 Calculus with Applications for Science II. (3) A. Prerequisite: MAT 261 or 211. Integral calculus with applications, introduction to differential equations, functions of several variables. Credit will not be awarded to students who have credit for MAT 122 or MAT 122H or MAT 224.

301 Transition to Advanced Mathematics. (3) A. Prerequisites: MAT 214, 223, and a grade point average of at least 2.5 in MAT 121, 122, 214, and 223. Logic, proof techniques, set theory, relations, functions, cardinality, introduction to advanced mathematics.

303 Mathematical Models and Applications. (3) A. Prerequisites: MAT 106, 203, and STA 270. Applications of mathematics to problems in the life, behavioral and managerial sciences. Credit does not count toward B.S. in mathematics nor mathematics teaching degrees nor the mathematics minor.

308 Modern Algebra I. (3) I, II. Prerequisite: MAT 301 with a minimum grade of "C." Sets, mappings, relations, operations, rings, homomorphisms, integral domains, properties of integers, fields, rational and real number fields, complex number field.

311 Modern Algebra II. (3) A. Prerequisite: MAT 308 with a minimum grade of "C." Topics from the theory of groups including direct products, the Sylow Theorems, normal series, and group extensions.

334 Modern College Geometry I. (3) A. Prerequisite: MAT 301 with a minimum grade of "C." Euclid's parallel postulate, axiom systems, finite geometries. Designed to provide high school mathematics teachers with an appropriate reformulation and strengthening of background, ideas, and rigor.

349 Cooperative Study: Mathematics. (1-8) I, II; (1-6) SUMMER ONLY. Prerequisite: departmental approval. Work in placements related to academic studies. Credit does not apply to major or minor requirements. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours of employment are required for each semester hour of academic credit.

353 Differential Equations. (3) A. Prerequisite: MAT 223 or 224. Differential equations of first order, applications, singular solutions, linear equations with constant coefficients, miscellaneous methods for equations of higher order, solution in series, total differential equations, qualitative methods, the use of the computer package Mathematica.

414 Introduction to Analysis. (3) I, II. Prerequisite: MAT 301 with a minimum grade of "C." Real number system, sets and functions, limits, continuity, uniform continuity, Taylor's theorem, laws of the mean, the Riemann integral, allied topics.

415 Analysis. (3) A. Prerequisite: MAT 414 with a minimum grade of "C." The Riemann integral, the Lebesgue integral, metric spaces, differentiation, sequences and series of functions, allied topics.

480 Seminar in ____. (1-3) A. Prerequisite: departmental approval. Advanced topics in undergraduate mathematics. May be retaken to a maximum of nine hours, provided the topics are different.

495 Independent Work. (1-3) A. Prerequisite: departmental approval. Directed study/research on a problem or area chosen in consultation with instructor. Final paper required. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to maximum of six hours.

501 Applications of Mathematics for K-8 Teachers. (3) A. Prerequisite: MAT 303. Topics in the application of mathematical models appropriate for teachers of grades K-8. Credit does not apply toward B.S. nor B.S. (teaching) degree requirements for programs offered within this department.

502 Geometry with Technology for K-8 Teachers. (3) A. Prerequisites: MAT 203 and CSC 175. Topics in geometry appropriate for teachers of grades K-8. Credit does not apply toward B.S. nor B.S. (teaching) degree requirements for programs offered within this department.

505 Foundations of Mathematics. (3) A. Prerequisite: MAT 308. The nature of mathematical thought; logical systems; axiomatic concepts and methods; consideration of the work of Hilbert, Peano, Whitehead, Russell, and others.

506 Number Theory. (3) A. Prerequisite: MAT 301 with a grade of at least "C." Fundamental properties of integers, linear Diophantine equations, linear and quadratic congruences, famous problems of number theory.

507 Seminar in Mathematics: ____. (1-3) A. Prerequisite: departmental approval. Topics vary with offering. May be retaken with advisor approval, provided the topics are different. Credit towards degree requirements will depend on course content.

509 Topics in Applied Abstract Algebra: ____. (3) A. Prerequisite: MAT 308 or CSC 320; or departmental approval. Applications of topics in abstract algebra. May be retaken to a maximum of nine hours, provided the topics are different.

514 Analysis for the Secondary Teacher. (3) A. Basic concepts in analysis with applications to secondary mathematics. Real numbers, set theory, sequences and series, continuity, differentiation and integration.

535 Modern College Geometry II. (3) A. Prerequisite: MAT 334 or equivalent. The major influence of the axioms of parallelism or geometry, development from axioms and models, Euclidean geometry, absolute geometry, hyperbolic geometry, consistency of postulates.

540 Introductory Applied Mathematics. (3) A. Prerequisite: MAT 353. Techniques and applications of: vector analysis, matrix theory, linear and autonomous systems of differential equations, special functions, operational methods, Sturm-Liouville theory, Fourier series.

550 Applications of Complex Analysis. (3) A. Prerequisite: MAT 225 or 353. Continuity, differentiation, integration, series, residues, and applications to the evaluation of real integrals. Applications of conformal mappings to boundary value problems in heat, electrostatic potential, and fluid flow. Emphasis throughout on computational techniques and applications.

555 Graph Theory. (3) A. Prerequisite: MAT 308 or CSC 320. Introduction to the theory and applications of graph theory. Topics will include trees, planarity, connectivity, flows, matching, and coloring.

560 Point Set Topology. (3) A. Prerequisite: MAT 301 with a minimum grade of "C." An introduction to topology with emphasis on Euclidean and other metric spaces. Mappings, connectivity, compactness, formation of new spaces, relationship to analysis.

580 Mathematics in a Historical Setting. (3) A. Prerequisite: MAT 301. The history of mathematics from ancient beginnings until modern times is studied through problems and through the lives and times of mathematicians.

GRADUATE COURSES

701 Applications of Mathematics for K-8 Teachers. (3) A.
702 Geometry with Technology for K-8 Teachers. (3) A.
705 Foundations of Mathematics. (3) A.
706 Number Theory. (3) A.
707 Seminar in Mathematics: ____. (1-3) A.
709 Topics in Applied Abstract Algebra: ____. (3) A.
714 Analysis for the Secondary Teacher. (3) A.
735 Modern College Geometry II. (3) A.
740 Introductory Applied Mathematics. (3) A.
750 Applications of Complex Analysis. (3) A.
755 Graph Theory. (3) A.
760 Point Set Topology. (3) A.
780 Mathematics in a Historical Setting. (3) A.

806 Advanced Number Theory. (3) A.
809 Modern Algebra I. (3) A.
810 Modern Algebra II. (3) A.
815 Real Analysis. (3) A.
839 Cooperative Study: Mathematics. (1-3) A.
850 Complex Analysis. (3) A.
856 Advanced Applied Mathematics. (3) A.
870 Seminar in Secondary Mathematics: ____. (1-3) A.
871 Numerical Analysis. (3) A.
872 Advanced Numerical Analysis. (3) A.
880 Seminar in: ____. (1-3) A.
890 Independent Study in ____. (1-3) A.
899 Thesis in ____. (1-6) A.

STA—Statistics

208 Descriptive Statistics. (1) I, II. Measures of central tendency and dispersion, introduction to correlation and regression, utilization of microcomputer statistical packages. Credit will not be awarded to students who have credit for COR 308 or ECO 220 or ECO 824 or EPY 842 or HEA 450 or PAD 308 or PSY 291 or STA 270. Gen. Ed. 03 or 04.

215 Elementary Probability and Statistics. (3) I, II. Formerly STA 209 and 210. Introduction to elementary concepts of probability, one and two sample estimation and hypothesis testing, linear correlation and regression, chi-square tests, introduction to analysis of variance, and utilization of microcomputer statistical packages. Credit will not be awarded to students who have credit for COR 308 or ECO 220 or ECO 824 or EPY 842 or HEA 450 or PAD 308 or PSY 291 or STA 270. Gen. Ed. 03 or 04.

270 Applied Statistics I. (3) I, II. Prerequisite: MAT 107. Measures of central tendency and dispersion, frequency distributions, probability, sampling distributions, point and interval estimates, hypothesis testing. Credit will not be awarded to students who have credit for COR 308 or ECO 220 or ECO 824 or EPY 842 or HEA 450 or PAD 308 or PSY 291 or STA 208 or STA 215. Gen. Ed. 03 or 04.

271 Applied Statistics II. (3) II. Prerequisite: STA 215 or 270. Inference emphasizing enumerative and quantitative data, chi-square tests, nonparametric methods, elementary experimental design, linear correlation/regression, computerized statistical packages. Credit will not be awarded to students who have credit for ECO 221 or ECO 854 or EPY 843 or PSY 301 or STA 500.

349 Cooperative Study: Statistics. (1-8) I, II; (1-6) SUMMER ONLY. Prerequisite: departmental approval. Work in placements related to academic studies. Does not apply to major or minor requirements. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours of employment is required for each semester hour of academic credit.

370 Applied Probability. (3) I, II. Prerequisite: any calculus course. Intuitive and axiomatic development of probability, set theory, counting techniques, conditional probability, Bayes Theorem, discrete models and distributions, and the law of large numbers.

375 Sampling Theory. (3) A. Prerequisite: STA 270 or 370. Basic concepts of sampling theory, simple random sampling, stratified random sampling, cluster sampling, systematic sampling, ratio and regression estimation, applications to surveys, utilization of microcomputer statistical packages.

490 Seminar in ____. (1-3) A. Prerequisite: departmental approval. Topic announced at the time of offering. May be retaken to a maximum of 12 hours, provided the topics are different.

495 Independent Work. (1-3) A. Prerequisite: departmental approval. Directed study/research on a problem or area chosen in consultation with instructor. Final paper required. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

500 Applied Statistical Inference. (3) A. Prerequisite: departmental approval. Designed for students in all areas. A general background in statistical methods including normal distribution, point and interval estimation, hypothesis testing, regression, analysis of variance, utilizing statistical packages on microcomputers. Credit will not be awarded to students who have credit for ECO 221 or ECO 854 or EPY 843 or PSY 301 or STA 271 or STA 521.

501 Nonparametric Statistics. (3) A. Prerequisite: six hours of STA or three hours of STA and departmental approval. Simple, efficient nonparametric methods without normality assumptions. Tests, estimation of proportions, medians, two-sample location/dispersion, one and two-way layout, independence, regression.

503 Statistics with Technology for K-8 Teachers. (3) A. Prerequisite: STA 270. Topics in statistics appropriate for teachers of grades K-8. Credit does not apply toward B.S. nor B.S. (teaching) degree requirements for programs offered within this department.

507 Seminar in Statistics: ____. (1-3) A. Prerequisite: departmental approval. Topics vary with offering. May be retaken with advisor approval, provided that the topics are different. Credit toward degree requirements will depend on the course content.

520 Mathematical Statistics I. (3) I. Prerequisites: MAT 223 and STA 270 or 370; or departmental approval. Descriptive statistics, continuous probability distributions for one and two variables, functions of random variables, sampling distributions, estimation theory.

521 Mathematical Statistics II. (3) II. Prerequisites: STA 520 and MAT 214. A continuation of STA 520. Tests of hypothesis, linear regression and correlation, multiple linear regression, analysis of variance, allied topics. Credit will not be awarded to students who have credit for STA 500.

575 Statistical Methods Using SAS. (3) A. Prerequisite: STA 270, 500, 501, or 521; or a course in statistical inference. Statistical methods focusing on the use of the SAS computer package and interpretation of data. Assumptions of parametric and nonparametric tests.

GRADUATE COURSES

700 Applied Statistical Inference. (3) A.
701 Nonparametric Statistics. (3) A.
703 Statistics with Technology for K-8 Teachers. (3) A.
707 Seminar in Statistics: ____. (1-3) A.
720 Mathematical Statistics I. (3) I.
721 Mathematical Statistics II. (3) II.
775 Statistical Methods Using SAS. (3) A.
825 Experimental Design. (3) A.
839 Cooperative Study: Statistics. (1-3) A.
880 Seminar in: ____. (1-3) A.

DEPARTMENT OF NATURAL SCIENCE

B. MacLaren, Chair; Frisbie, Maki, Reynolds, Wernegreen.

The Department of Natural Science is an interdisciplinary department offering science courses that meet the University General Education science requirements (Area IV). These courses are specifically designed for students not majoring in the natural sciences. Some courses will satisfy the biological and physical science laboratory component. Other non-laboratory courses are taught with an interdisciplinary approach that attempts to place science within a broader social and intellectual context.

The principal aims of the Department of Natural Science are to: (1) increase students' understanding of the nature of science and its relationship to technological change and ethical and social problems; (2) present basic principles of the biological and physical sciences; and (3) demonstrate the complexity and global nature of many current scientific problems.

Course Descriptions

NAT—Natural Science

101 Biology: The Science of Life. (3) I, II. This biological science course emphasizes human relationships with the natural world by studying concepts in ecology, inheritance, evolution, and the functioning of living systems. Credit will not be awarded to students who have credit for BIO 100. 2 Lec/2 Lab. Gen. Ed. 13.

171 The Physical Universe. (3) I, II. An interdisciplinary course on natural philosophy, emphasizing science as a creative activity. It traces the evolution of our conceptions of science, the universe, matter, and energy. Credit will not be awarded to students who have credit for PHY 101. 2 Lec/2 Lab. Gen. Ed. 14.

172 The Physical Environment. (3) I, II. This course explores aspects of the earth sciences (meteorology, oceanography, geology and chemistry), emphasizing common concepts. Everyday experiences are used to illustrate physical principles. Credit will not be awarded to students who have credit for NAT 173. 2 Lec/2 Lab. Gen. Ed. 14.

173 The Physical Environment. (3) I, II. This course is identical to NAT 172 except that a discussion/lecture session replaces the laboratory. Credit will not be awarded to students who have credit for NAT 172. Gen. Ed. 15 or 16.

300 Science as a Human Endeavor. (3) I, II. Using examples from biological and physical science this course investigates the scientific community, its structure, methods, and philosophy. Emphasis is on scientific revolutions that have affected perceptions of space, time, and cause. Gen. Ed. 15 or 16.

310 Topics in the Natural Sciences. (1-3) A. Selected interdisciplinary topics and topics of current interest in the natural sciences. May be retaken to a maximum of three hours provided topic is different each time. Gen. Ed. 15 or 16.

363 Ecology and Human Affairs. (3) I, II. Formerly NAT 263. A biological science course that develops the basic principles of ecology, and uses them as a basis for consideration of agriculture, land use, endangered species, and other environmental issues. Gen. Ed. 15 or 16.

380 Science and Society. (3) I, II. Formerly NAT 280. By investigating incidences in which scientific knowledge interacts with society, this course attempts to understand the involvement of science with religion, government, technology, human population, energy, the environment, and the future. Gen. Ed. 15 or 16.

DEPARTMENT OF

PHYSICS AND ASTRONOMY

J. Faughn, Chair; Calkin, Cook, Kuhn, Laird, Sousa, Teague.

The various educational missions of the Department of Physics and Astronomy are accomplished by offering the following programs: (1) The Bachelor of Science in Physics degree program is designed primarily for students who plan to continue their professional education by enrolling in a graduate program in physics, in some field of engineering or in an interdisciplinary science such as geophysics, biophysics, materials science, and many other fields where a basic knowledge of physics/science is required. (2) The option in engineering physics is intended primarily for students who seek educational training for employment in industry or business (professional capacity) with a baccalaureate degree. (3) The Bachelor of Science in physics (teaching) degree program is intended for those students who plan to teach physics, astronomy, and science in secondary schools. Teaching majors are required to complete a minor or second major in either another natural science or in mathematics. (4) A minor in physics is recommended to majors in other fields to broaden and support their educational background. Particularly, a teaching minor in physics is recommended for students majoring in another science or mathematics teaching program.

Physics

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 37 hours

Core ..... 21 hours
PHY 201, 202, 300, 301; 306 or 308; and 558. At the discretion of the chair, PHY 131 may be substituted for PHY 201.

Options

Physics (General) ..... 16 hours
PHY 520, 559, MAT 225, and six hours from any physics course numbered 300 and above, except PHY 506.

Engineering Physics ..... 16 hours
PHY 221, 315, 375, and six hours from CSC 300, EET 253, 257, 305, 350, 355, PHY 303, 306, 308, 502, 510, or STA 270.

Supporting Course Requirements ..... 28 hours
CHE 111, 112, CSC 174 (or any approved programming language course), MAT 115, 121+, 122, 223, 353, and EET 252.

General Education Requirements ..... 37 hours
Standard General Education program, excluding courses in categories 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
NMO 100 and eight hours of restricted electives.

Free Electives ..... 17 hours

Total Curriculum Requirements ..... 128 hours

+Preparatory course in mathematics may be required before admission to MAT 121.

Physics (Teaching)

MAJOR (BACHELOR OF SCIENCE)

Refer to the College of Education section of this *Catalog* regarding several teacher certification requirements associated with this degree program.

Major Requirements ..... 33 hours
AST 135; PHY 201 and 202 or 131 and 132; PHY 300, 301, 506; PHY 306 or 308; GLY 302; plus a minimum of six hours selected from PHY 221, 303, 306, 307, 308, 375, 502, 558, or EET 252.

Minor Requirements ..... 12-17 hours
The teaching minor must be in another natural science, computer science, or mathematics.

Supporting Course Requirements ..... 19 hours
CHE 111, 112, MAT 115, 121+, 122, and three hours of an approved computer language.

Teacher Education Requirements ..... 28 hours
EDF 102, 202, 317, EPY 318, ESE 451, 498, and 499.

General Education Requirements ..... 37 hours
Standard General Education program, excluding course categories 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
NMO 100 and eight hours of restricted electives.

Total Curriculum Requirements ..... 138-143 hours

+MAT 109 may be required before admission to MAT 121.

MINOR IN PHYSICS

A student with a major in another field may complete a minor in physics by taking PHY 201, 202, and a minimum of eight additional hours of physics numbered 300 and above to a total of 18 hours. PHY 131 may be substituted for PHY 201, and PHY 132 may be substituted for PHY 202.

A student with a teaching major in a natural science or mathematics may take a minor in physics (teaching). The required courses are AST 135; PHY 201 and 202, or 131 and 132; 300; 306 or 308; plus three additional hours from the teaching major.

GRADUATE PROGRAMS

The Department of Physics and Astronomy offers advanced degree programs. The Master of Science in physics is designed primarily to prepare graduate students for professional careers in industry, community college teaching, and/or further graduate studies in physics. The Master of Arts in Education degree with an option in physics is offered in the College of Education with the cooperation of the Department of Physics and Astronomy.

The Master of Arts in Education degree with an option in general science is offered in the College of Education with the cooperation of the Department of Physics and Astronomy and the other natural science departments. The regulations for these degrees can be found in the College of Education section of the *Graduate Catalog*.

Course Descriptions

PHY—Physics

101 Physical Science (Physics). (3) I, II. Designed primarily for the non-science student. Topics on energy, sound, light, electricity, magnetism, and nuclear phenomena. Credit will not be awarded to students who have credit for NAT 171. 2 Lec/2 Lab. Gen. Ed. 14.

131 College Physics I. (5) I, II. Prerequisites: one unit each of high school algebra and plane geometry. Fundamental ideas of mechanics, heat, and sound. 4 Lec/2 Lab. Gen. Ed. 14.

132 College Physics II. (5) I, II. Prerequisite: PHY 131. Fundamental ideas of electricity, magnetism, optics, and modern physics. 4 Lec/2 Lab.

201 University Physics I. (5) I, II. Corequisite: MAT 115; and 121 or 124. Composition and resolution of forces, laws of equilibrium, Newton's laws of motion, work and energy, momentum, simple harmonic motion, hydrodynamics, heat phenomena. 4 Lec/3 Lab. Gen. Ed. 14.

202 University Physics II. (5) I, II. Prerequisites: PHY 201, MAT 115, and 121 or 124. Electrostatics, electric potential, dielectrics, A.C. and D.C. circuits, magnetic fields, Faraday's Law, sound, wave motion, geometrical and physical optics. 4 Lec/3 Lab.

221 Statics. (3) A. Prerequisite: PHY 201. Corequisite: MAT 122 or 224. Study of force systems on bodies at rest, descriptions of force systems, distributed and internal forces, applications of hydrostatics, frames and trusses, beams.

300 Modern Physics I. (3) I. Prerequisites: PHY 132 or 202 and MAT 109. Physics of the 20th century. Topics include special relativity, quantum effects, wave theory, Bohr theory, structure of the hydrogen atom.

301 Modern Physics II. (3) II. Prerequisite: PHY 300. A continuation of PHY 300. Topics include atomic and molecular structure, nuclear structure, nuclear reactions, elementary particles.

303 Introduction to Laser Physics. (3) A. Prerequisites: PHY 202; or PHY 132 and instructor approval. An introduction to the theory and application of different types of lasers such as dye, nitrogen, He/Ne, diode, and mercury vapor; the characteristics of laser light, and optical measuring devices. 2 lec/2 lab.

306 Classical Physics Laboratory. (2) I. Prerequisites: PHY 132 or 202 and knowledge of a computer programming language. Experiments in mechanics, optics, and electricity. Simulation of physical situations using a spreadsheet. Techniques of interfacing scientific equipment to microcomputers. 4 Lab.

307 Electronics. (4) A. Prerequisite: PHY 132 or 202. Theory of solid state devices, power supplies, transducers, operational amplifiers, solid state switches, flip-flops, counters, digital devices, logic families. 3 Lec/3 Lab.

308 Atomic and Nuclear Laboratory. (2) II. Prerequisite: a computer language. Corequisite: PHY 301. Various experiments demonstrate types and effects of radiation, properties of atoms and nuclei, and experimental, computer, and analytical techniques. 4 Lab.

315 Introductory Electrical Circuits. (4) A. Prerequisite: PHY 202. Corequisite: MAT 122 or 224. Fundamental laws and principles for linear circuits whose elements consist of passive and active components used in present day practice. Determination of the sinusoidal steady state responses using the algebra of complex numbers.

349 Cooperative Study: Physics. (1-8) A. Work in placements related to academic studies. A minimum of 80 hours employment is required for each semester hour of academic credit. Total hours: eight, associate; sixteen, baccalaureate. Hours earned in PHY 349 will not apply toward a physics major or minor.

375 Thermodynamics. (3) A. Formerly PHY 503. Prerequisite: PHY 202. Corequisite: MAT 122 or 224. Study of temperature, thermodynamic systems, ideal gases. First and second law of thermodynamics, Carnot cycle, Kelvin temperature scale, entropy.

502 Physical Optics. (3) A. Prerequisite: PHY 202. Corequisite: MAT 122 or 224. Wave motion, interference, Fraunhofer and Fresnel diffraction, electromagnetic radiation, dispersion, polarization, double refraction, lasers, holography.

506 Physics for High School Teachers. (3) A. Prerequisites: one year of college physics and instructor approval. Topics from general and modern physics to prepare teachers to teach high school physics and give classroom demonstrations. 2 Lec/3 Lab.

510 Special Problems in Physics: ____. (1-6) A. Prerequisites: PHY 202 and instructor approval. Special laboratory experiments, development of new equipment, or solution of special mathematical problems related to physics. May be retaken to a maximum of six hours provided subject matter is different each time. Student must have the independent study form approved by faculty supervisor and department chair prior to enrollment.

520 Electricity and Magnetism. (4) A. Prerequisites: PHY 202 and MAT 225. Electrostatics in vacuum and dielectrics, solutions by Laplace's and Poisson's equations, magnetic fields, induced EMF's, magnetic materials, and Maxwell's equations.

558 Classical Mechanics I. (3) A. Prerequisite: PHY 202. Corequisite: MAT 353. Applications of calculus to the principles of classical mechanics. Topics include vectors, rectilinear motion in one dimension, motion in three dimensions, non-inertial reference systems, central forces, and celestial mechanics.

559 Classical Mechanics II. (3) A. Prerequisite: PHY 558. Continuation of PHY 558. Topics include many-bodied systems, rigid bodies, Lagrangian and Hamiltonian mechanics, coupled harmonic oscillators, wave motion.

570 Quantum Mechanics. (3) A. Prerequisite: PHY 558. Basic principles of wave mechanics, solutions of Schrodinger wave equation for simple systems, interpretation of solutions and application to atomic and molecular problems.

GRADUATE COURSES

702 Physical Optics. (3) A.
706 Physics for High School Teachers. (3) A.
710 Special Problems in Physics:____. (1-6) A.
720 Electricity and Magnetism. (4) A.
758 Classical Mechanics I. (3) A.
759 Classical Mechanics II. (3) A.
770 Quantum Mechanics. (3) A.
800 Physics for Elementary School Teachers. (1-6) A.
806 Selected Topics in Physics for Teachers. (3) A.
808 Selected Topics in Physical Science for Secondary Teachers. (1-6) A.
810 Physics for Teachers of Physical Science. (3) A.
814 Modern Instrumentation. (3) A.
815 Advanced Nuclear Physics. (3) A.
825 Electromagnetic Waves. (3) A.
839 Cooperative Study: Physics. (1-6) A.
860 Advanced Classical Mechanics. (3) A.
871 Intermediate Quantum Mechanics. (3) A.
880 Special Topics in Physics. (1-3) A.
881 Selected Topics. (1-3) A.
882 Statistical Mechanics. (3) A.
890 Thesis Research. (1-6) A.
890 CThesis Continuation. (1-9) A.

AST—Astronomy

130 Introductory Astronomy. (3) I, II. Elementary survey course; study of Moon, Sun, and eclipses; Solar System; Milky Way and far stars. Non-laboratory. Credit will not be awarded to students who have credit for AST 135. Gen. Ed. 15 or 16.

135 Introductory Astronomy. (3) I, II. This course is the same as AST 130 except that a laboratory is offered in place of certain topics. Credit will not be awarded to students who have credit for AST 130. 2 Lec/2 Lab. Gen. Ed. 14.

330 Theories of Modern Astronomy. (3) A. Investigation into modern controversies concerning origins of Earth, Sun, planets, galaxies, and Universe. Considerations also of theories concerning the natures of pulsars, quasars, black holes. Non-laboratory. Gen. Ed. 15 or 16.

COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES

VANCE WISENBAKER, DEAN

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The social and behavioral sciences are concerned with humankind's social, political, economic, and psychological development. Their focus is on the various peoples of the world and their histories, cultures, physical environments, and problems. The knowledge provided by the social and behavioral sciences, along with that provided by the humanities and natural sciences, comprises an essential part ot the education of an individual. A broad, liberal education allows one to be more comfortable in any cultural setting, more aware of one's potential and opportunities, and more capable of choosing values and goals in life.

Students enrolled in one of the College's programs receive a general education which broadens their knowledge and gives them a perspective which extends across individual academic disciplines. The College also offers students the opportunity to study a particular discipline in depth. The combination of general and specialized education provides a valuable background for careers in many areas such as business, industry, government service, and education, as well as further study in graduate and professional schools.

In its role of providing for a **general education**, the objectives of the College are to help students:

Develop the ability to analyze information critically, to improve their ability to read and listen with comprehension, and to express themselves clearly in speech and writing.

Acquire an understanding of humankind's past and present achievements, and develop the competence and confidence to deal with the challenges of the future.

Understand themselves and their society so that they can intelligently shape as well as adapt to conditions in our progressively industrializing, interdependent world.

Understand their role in society and develop a sense ot ethical value and individual responsibility.

In its role of providing **specialized education** the objectives of the College are to:

Provide students with an opportunity for study in depth in one of the major disciplines within the College.

Assist students in choosing, and preparing for, socially useful and personally satisfying vocations that will permit them to use their particular interests and abilities.

Help students realize the importance of continuing their education after completing a formal degree program.

The College consists of six academic departments: Anthropology, Sociology, and Social Work; Geography and Planning; Government; History; Psychology; and Social Science.

The College of Social and Behavioral Sciences offers instruction for professional and pre-professional fields and cooperates with the other colleges in providing upper level courses and programs. It further cooperates with the Graduate School in offering graduate courses and programs.

DEGREES OFFERED

The following undergraduate degrees are offered: Associate of Arts, Bachelor of Arts, Bachelor of Science, and Bachelor of Social Work. The Bachelor of Individualized Studies degree is also offered in cooperation with the College of Arts and Humanities and the College of Natural and Mathematical Sciences. For a description of the Bachelor of Individualized Studies program, see the College of Arts and Humanities section of the *Catalog*.

The Associate of Arts is conferred upon students who major in paralegal studies. The Bachelor of Arts is conferred upon students who major in anthropology, economics, geography (with options in planning and travel and tourism), history, paralegal science, political science, and sociology. The Bachelor of Science is conferred upon students who major in psychology. The Bachelor of Social Work is conferred upon students who major in social work.

DEGREE REQUIREMENTS

General University degree requirements are listed on page 25 in Part Three of this *Catalog*. Specific requirements for degree programs are found in the appropriate departmental sections of this *Catalog*. Requirements for paralegal programs are listed under the Department of Government. The Academic Orientation course (CSO 100) is common to all programs in the College. Students are responsible for planning their programs and registering for the proper courses so that they will have satisfied all requirements at the time they expect to graduate.

In addition to the general University requirements, specific requirements for the Bachelor of Arts, Bachelor of Science, and Bachelor of Social Work degrees in the College of Social and Behavioral Sciences are as follows:

1. An overall GPA of 2.0 is required in all courses taken in the major field and in those specified as major requirements.
2. Students majoring in economics, social work, and in the paralegal programs must attain a minimum grade of "C" in all courses specified for the major and in supporting courses.

3. Each student must select a major, which consists of a minimum of 30 hours in a specific field of study. The minimum number of hours for a non-teaching minor is 18; the minimum number of hours for a teaching minor is 21.
4. Students desiring teaching certification in a social or behavioral science, except in history, are required to have a teaching minor (21 hours). Students obtaining teaching certification in history may take related courses in lieu of a teaching minor.
5. Students who transfer from another college or university must earn a minimum of 12 hours in their major at Eastern. The paralegal programs require a minimum of 15 hours earned at Eastern. Where a minor is required, students must earn a minimum of three hours in the minor at Eastern.

APPLICATION FOR PLANNED CURRICULUM

Students are responsible for planning their programs and registering for the proper courses so that they will have satisfied all requirements at the time they expect to graduate. After completing 60 semester hours of course work, *it is the student's responsibility to apply for a planned curriculum,* which will specify the remaining graduation requirements.

The planned curriculum is prepared in consultation with a faculty advisor from the department of the student's major. Application is made to the Dean of the College. Teaching majors must have been admitted to the Teacher Education Program prior to the preparation of a planned curriculum. Any changes in the planned curriculum must be approved by the advisor, department chair, the Dean of the College, and in programs involving teacher certification, the Dean of the College of Education.

APPLICATION FOR GRADUATION

Students are required to file an application for graduation in the dean's office. Applications should be filed by April 30 in order to graduate in December, or by October 31 in order to graduate in May or August.

GRADUATE PROGRAMS

In cooperation with the Graduate School, the College offers the Master of Arts, Master of Science, and Master of Public Administration degrees. The Master of Arts is offered in history and political science. The Master of Science is offered in clinical psychology, and the Specialist in Psychology is offered in school psychology. Clinical psychology students may earn certification in clinical psychology for the hearing impaired, and a certification-only program in school psychology is available for students with related Master's degrees. The Master of Public Administration degree is offered in the Department of Government with options in community development and community health administration.

The College of Education offers the Master of Arts in Education with options in geography, history, political science, and psychology. The departments in the College of Social and Behavioral Sciences cooperate in offering these programs which are described in the *Graduate Catalog.*

GRADUATE COURSE CREDIT

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart.

SOCIAL AND BEHAVIORAL SCIENCES COURSES

CSO—Orientation

100 Academic Orientation. (1) I. An introduction to the programs of the University and the College. Discussion of how to study, what to consider in choosing a profession, and what career opportunities exist for graduates from the College's programs. Additional topics include University regulations, publications, and support areas. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours.

CSB—Interdisciplinary

499 Independent Work. (3-6) I, II. Prerequisite: GPA of 2.5 up to last semester of program in Bachelor of Individualized Studies degree. Independent research and/or field work required for the program of Bachelor of Individualized Studies. May be retaken to a maximum of six hours credit provided a different subject is studied each time.

Economics

MAJOR (BACHELOR OF ARTS)

In cooperation with the Department of Economics, the College of Social and Behavioral Sciences offers the Bachelor of Arts in economics. Course offerings are listed in the Department of Economics, under the College of Business section of this *Catalog.* A minimum grade of "C" is required in all courses counted towards the major.

Major Requirements ..... 30 hours
ECO 220, 221, 230, 231, 350, 351, 420, and nine additional hours of upper division courses in economics.

Supporting Course Requirements ..... 21-39 hours
MAT 211 or equivalent. The other requirements will be determined by consultation between the Chair of the Department of Economics and the Dean of the College of Social and Behavioral Sciences.

General Education Requirements ..... 46 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
CSO 100 and eight hours of restricted electives.

Free Electives ..... 4-22 hours

Total Curriculum Requirements ..... 128 hours

Economics (Teaching)

MAJOR (BACHELOR OF ARTS)

In cooperation with the Department of Economics, the College of Social and Behavioral Sciences offers the Bachelor of Arts in economics (teaching). This major must be taken in conjunction with an approved major or minor.

The supporting major or minor must be approved by the Dean of the College of Social and Behavioral Sciences, the Chair of the Department of Economics, and the Department of Curriculum and Instruction.

A minimum grade of "C" is required in all courses counted towards the major.

Major Requirements ..... 30 hours
ECO 220, 221, 230, 231, 350, 351, 420, and nine additional hours of upper division courses in economics.

Supporting Course Requirements ..... 24-33 hours
MAT 211 or equivalent and a major or minor approved by the Dean of the College of Social and Behavioral Sciences, the Chair of the Department of Economics, and the Chair of the Department of Curriculum and Instruction.

Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 449, 498, and 499.
General Education Requirements ..... **46 hours**
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **9 hours**
CSO 100 and eight hours of restricted electives.
Total Curriculum Requirements ..... **137-146 hours**

MINOR IN ECONOMICS (Teaching)

A minor in economics (teaching) requires completion of the following courses: ECO 230, 231, 350, 351, and nine additional hours of upper division courses in economics. A minimum grade of "C" is required in each course. The minor must be taken in conjunction with an approved teaching major.

DEPARTMENT OF

ANTHROPOLOGY, SOCIOLOGY, AND SOCIAL WORK

S. Savage, Chair; Allen, Banks, Burnham, Carmean, Curra, Denton, Futrell, Goldstein, Good, Luhman, Mohanty, Welch, Winther, Wisenbaker.

This department offers degrees in anthropology, sociology, and social work. Anthropology is the study of humankind from a broad viewpoint, examining human biological and cultural diversity through time and space. Anthropology emphasizes the interaction of human biology, culture, and the environment. The curriculum helps students to understand persons of different cultural and ethnic heritages, and themselves, in relation to both biological and cultural evolution. This perspective helps to prepare persons for careers in teaching, industry, government, law, developmental agencies, public relations, social science research, journalism, administration, and social work. Anthropological studies provide training applicable for employment in public health, state salvage archeology, park service, and museum curatorship. Students with undergraduate degrees in anthropology are also prepared for graduate training in anthropology.

The program in sociology is designed for persons desiring to learn about social relationships and societal processes. In their studies students examine the dynamics of social change, social organization, deviance and crime, the emergence of personality, and other topics. Students also acquire skills in data analysis and social research.

Persons with sociology majors find employment and academic opportunities in teaching, social welfare, personnel and industrial placement, criminal justice agencies, research in public agencies, and work in community organizations such as city planning departments, health and recreational facilities, and housing programs. Many sociology majors continue their studies with graduate programs in sociology, demography, criminal justice, or related areas.

Social work is the professional application of social work values, principles, and techniques to one or more of the following ends: helping people obtain tangible services; helping individuals, families, and groups to improve their social functioning; helping communities or groups provide or improve social and health services; and participating in relevant legislative processes. The practice of social work requires knowledge of human development and behavior; of social, economic, and cultural institutions; and of the interaction of all of these factors. The major in social work has two primary goals:

1. To assist the student in developing the necessary skills, attitudes, and knowledge base for beginning generalist social work practice in a variety of public and private agencies; and
2. To provide a knowledge, value, and skill base with which the student may further develop professional growth through graduate work, continuing education courses, and other professional development programs.

Anthropology

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **33 hours**
ANT 120, 201, 210, 211; 15 hours of upper division anthropology courses, including nine hours selected from three of the following four categories:
ANT 345, 350, 470 or equivalent;
ANT 330, 331, or 435;
ANT 440;
ANT 365, 380, or 385;
and six hours in anthropology to be selected in consultation with the advisor.
General Education Requirements ..... **46 hours**
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **9 hours**
CSO 100 and eight hours of restricted electives.
Free Electives ..... **40 hours**
Total Curriculum Requirements ..... **128 hours**

MINOR IN ANTHROPOLOGY

A student may minor in anthropology by taking a minimum of 18 hours as follows: ANT 120, 201; ANT 210 or 211; and nine hours of upper division anthropology electives.

Sociology

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **30 hours**
SOC 131, 232, 395, 460, 461, and 15 hours of sociology electives, 12 of which must be upper division hours.
General Education Requirements ..... **46 hours**
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **9 hours**
CSO 100 and eight hours of restricted electives.
Free Electives ..... **43 hours**
Total Curriculum Requirements ..... **128 hours**

Sociology (Teaching)

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **30 hours**
SOC 131, 232, 395, 460, 461, and 15 hours of sociology electives, 12 of which must be upper division hours.

Minor ..... **21 hours**
A 21 hour teaching minor in art, English, French, history, mathematics, or Spanish is required unless a student has a second major in one of these programs.

Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 449, 498, and 499.

General Education Requirements ..... **46 hours**
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
CSO 100 and eight hours of restricted electives.

Total Curriculum Requirements ..... **128 hours+**

+Careful selection of minor courses is required to stay within the 128 hour total.

MINOR IN SOCIOLOGY

A student may minor in sociology by completing the following courses: SOC 131 and 15 hours of sociology electives, 12 of which must be upper division. Three hours of upper division anthropology may be applied to the 15 hours. A total of 21 semester hours is required for a teaching minor.

SOCIAL WORK PROGRAM

, Program Coordinator

To major in social work a student must declare social work as a first major. To enroll in either of the practicum courses, SWK 390 or SWK 490, a student is required to complete the prerequisites for the specific course; maintain a cumulative grade point average of 2.0; attain a minimum grade of "C" in each course specified for the major and supporting courses; and apply for admission to the specific practicum course the semester prior to enrollment. For additional information, contact the practicum instructor.

Social Work

MAJOR (BACHELOR OF SOCIAL WORK)

Major Requirements ..... **42 hours**
SWK 210, 225, 310, 311, 335, 350, 354, 360, 390, 410, 445, and 490.

Supporting Course Requirements ..... **15 hours**
POL 101, PSY 202, SOC 131, 232, and 400.

General Education Requirements ..... **46 hours**
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
CSO 100 and eight hours of restricted electives.

Free Electives ..... **16 hours**
To broaden their experience and knowledge, students are encouraged to complete their programs with electives selected from anthropology, child development, economics, health, management, law enforcement, political science, psychology, recreation, rehabilitation, sociology, special education, and speech.

Total Curriculum Requirements ..... **128 hours**

MINOR IN SOCIAL WELFARE

A student may minor in social welfare by completing the following courses: SWK 210, 310, 311, 410, and six hours of upper division social work or sociology electives.

GRADUATE PROGRAMS

The Department of Anthropology, Sociology, and Social Work offers graduate level courses in support of the community development option of the Master of Public Administration Program offered in the Department of Government. The regulations for this degree may be found in the *Graduate Catalog*.

Course Descriptions

ANT—Anthropology

120 Introduction to Cultural Anthropology. (3) I, II. Explanation of culture and related concepts. Development of generalizations concerning social, economic, political, and ritual organization, based chiefly on comparative study of various traditional societies. Includes a brief survey of archeology and linguistics. Gen. Ed. 09.

201 Introduction to Physical Anthropology. (3) I, II. General survey of the principal areas of physical anthropology, emphasizing contemporary human biological variation and including an appraisal of humankind's place within the biological realm and the role of genetics, osteology, and primatology in the study of humans. 2 Lec/2 Lab. Gen. Ed. 15 or 16.

206 Human Evolution. (3) A. An introduction to primate and human evolution, emphasizing the fossil evidence of humankind's evolution and the development and evolution of human material culture. 2 Lec/2 Lab. Gen. Ed. 15 or 16.

210 Non-Industrial Societies Around the World. (3) I, II. Descriptive survey of non-industrial societies from various parts of the world, emphasizing the levels of societal development. Gen. Ed. 10.

211 Industrial Societies Around the World. (3) I, II. Various aspects of cultures in the Industrial Age, presented in evolutionary and global perspective, and including the industrialization of the underdeveloped world, and the implications of automation, cybernetics, and other technology. Gen. Ed. 11.

325 Problems in Contemporary Cultures. (3) A. Anthropological approach to contemporary history including cultural crises in industrialized civilizations, and the problems arising from the industrialization of traditional societies. Implications of current trends in culture change. Problems addressed dependent upon instructor. Gen. Ed. 12.

330 American Indians. (3) A. Prerequisite: ANT 120, 201, 210, or 211; or instructor approval. Descriptive and comparative study of representative native American cultures, emphasizing Indians of North America, and including culture area concept and culture change since European contact.

331 Appalachia: A Cultural Perspective. (3) A. Cross listed as SWK 331. Prerequisites: SOC 131 and three hours of ANT, SOC, or SWK. Sociocultural perspective of Appalachia. Relationship of physical characteristics; beliefs; occupation; personality; family/kinship patterns to health. Cross-cultural professional practice skills and errors of intercultural helping. Credit will not be awarded to students who have credit for SWK 331.

340 Folk and Peasant Societies. (3) A. Prerequisite: ANT 120, 210, or 211; or instructor approval. Emphasizes the relatively stable nature of these societies and their extensiveness. Consideration of problems resulting from contacts with non-peasant societies.

345 Selected Topics in Archeology: ____. (3) A. Prerequisite: ANT 120, 210, or 211; or instructor approval. Sample topics: systems of chronology, historic archeological sites. May be retaken to a maximum of nine hours, provided the subject matter differs each time.

350 Introduction to Archeology. (3) A. Prerequisite: ANT 120 or instructor approval. An introduction to archeological method and theory, including reconnaissance, surface survey, excavation, and processing, classification analysis, and interpretation of data. The course will include practical archeological exercises.

365 Selected Topics in Physical Anthropology: ____. (3) A. Prerequisite: ANT 201 or instructor approval. Sample topics: monkeys, apes, and humans; human osteology. May be retaken to a maximum of nine hours, provided the subject matter differs each time.

375 Selected Topics: ____. (3) A. Prerequisite: ANT 120, 210, or 211; or instructor approval. Sample topics: legal and political anthropology, population genetics, cultural ecology. May be retaken to a maximum of nine hours, provided the subject matter differs each time.

380 Forensic Anthropology. (3) A. Prerequisite: ANT 201 or instructor approval. Forensic osteology and dentistry; including demographic methods, pathology, and practical methods of collecting human physical evidence; and the role of the expert witness. 2 Lec/2 Lab. Gen. Ed. 15 or 16.

385 Bones, Bodies, and Disease. (3) A. Prerequisite: ANT 201 or instructor approval. Introduction to paleopathology, the study of diseases and injuries in ancient human populations, as shown primarily by skeletal remains and secondarily by art and literature.

399 Sex Roles in Traditional and Contemporary Society. (3) A. Cross listed as SOC 399. Prerequisite: ANT 120, 210, 211, or SOC 131; or instructor approval. Consideration of the roles women and men have in traditional societies and their changing roles in industrial societies. Credit will not be awarded to students who have credit for SOC 399.

415 Anthropological Gerontology. (3) A. A comparative and historical study of the physical and sociocultural aspects of human aging from a societal and global perspective.

435 Area Course in Ethnology: ____. (3) A. Prerequisite: ANT 120, 210, or 211; or instructor approval. Cultures in selected areas of the world. May be retaken to a maximum of six hours, provided the subject matter differs each time.

440 Language and Culture. (3) A. Prerequisite: instructor approval. Analysis of the role of language in human experience; mutual effect of language on culture, and culture on language.

470 Field Methods: Archeology. (3) A. Prerequisite: 12 hours in ANT or instructor approval. Introduction to both excavating techniques and laboratory classifications and the analysis of evidence. Attention given to accurate reporting and analysis.

590 Tutorial in Anthropology. (1-3) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken to a maximum of six hours, provided the subject matter differs each time. Directed study in anthropology.

GRADUATE COURSE

790 Tutorial in Anthropology. (1-3) A.

SOC—Sociology

131 Introductory Sociology. (3) I, II. Basic principles and concepts of sociology, including culture, personality, social structure, group, social processes, and social change. Gen. Ed. 09.

232 Introductory Sociological Analysis. (3) I, II. Prerequisite: SOC 131. Analysis of sociological concepts in terms of concept formation, measurement, interpretation, and presentation in graphic and table form.

235 Social Problems. (3) I, II. Analysis of selected social problems such as crime, mental illness, homosexuality, divorce, population, and poverty. The analysis includes the definition, causes, and consequences of social problems. Gen. Ed. 12.

237 Population and Society. (3) A. Examination of population problems; national and international policies and relationships between population and social structure. Gen. Ed. 12.

245 Sociology of the Family. (3) A. Prerequisite: SOC 131. Family as an institution in society; its relation to cultural transmission and personality development; its relation to the wider institutional structure of society. Credit will not be awarded to students who have credit for CDF 132 or HEC 132.

305 Computers and Society. (3) A. Cross listed as CSC 305 and POL 305. The influence of computers on social and political processes. Software related to socio-political issues. Credit will not be awarded to students who have credit for CSC 305 or POL 305.

310 The Sociology of Language Use. (3) I. An examination of the variations and meanings of language use in social groups and the role of language in human interaction.

313 Social Deviance. (3) A. Examination of the social and cultural setting of deviant behavior. Will include an examination of the process of becoming deviant as well as specific types of deviance such as suicide, drugs, sexual deviance, and mental disorders.

320 Mind, Self, and Society. (3) A. Prerequisite: SOC 131. Relation of the individual to the sociocultural environment, with special reference to personality development, interpersonal role-behavior, motivation, and social attitudes.

340 Juvenile Delinquency. (3) A. Prerequisite: SOC 131. Survey of theories of juvenile delinquency, including evaluation of the constitutional, psychological, and sociological approaches and dealing with prediction, treatment, and control.

347 The Sociology of the Underground Economy. (3) A. Examination of the underground economy and the consequences of underground economic activity for society.

350 Selected Topics in Sociology: ____. (3) A. Prerequisite: SOC 131 or instructor approval. May be retaken to a maximum of nine hours provided the subject matter differs each time. Sample topics: Appalachian sociology; sexism and society; utopias.

353 Sociology of Health and Illness. (3) A. Prerequisite: SOC 131 or instructor approval. Social and cultural dimensions of health and illness; analysis of mainstream and alternative health professions and medical facilities.

360 The Community. (3) A. Prerequisite: SOC 131. Characteristics of community relations in society; structure of and changes in community life; changing needs and resources of modern communities.

365 Social Change in Appalachia. (3) A. Prerequisite: SOC 131 or instructor approval. Analysis of patterns of social change and development in an important area of the Southern United States, Central and Southern Appalachia. Emphasis will be placed upon competing theoretical perspectives and the importance of historical research.

375 Criminology. (3) A. Prerequisite: SOC 131. Survey of theories of criminal behavior as applied to the social processes of law making and law breaking; prediction and control of crime.

395 Research Methods in Sociology. (3) II. Prerequisites: SOC 131 and 232. Methods and techniques of sociological research; includes collecting, measuring, analyzing, processing, and presenting social data.

399 Sex Roles in Traditional and Contemporary Society. (3) A. Cross listed as ANT 399. Prerequisite: ANT 120, 210, 211, or SOC 131; or instructor approval. Consideration of the roles women and men have in traditional societies and their changing roles in industrial societies. Credit will not be awarded to students who have credit for ANT 399.

400 Racial and Cultural Minorities. (3) A. Prerequisite: SOC 131. Analysis of dominant and minority groups from the perspective of sociology and related social sciences with an emphasis on racial and cultural groups in the United States. An examination of prejudice and discrimination.

410 Political Sociology. (3) A. Prerequisite: SOC 131 or instructor approval. Analysis of political behavior and institutions within the structure of society, social attitudes, voting behavior, and political activity.

420 Social Organization. (3) A. Formerly SOC 520. Prerequisite: instructor approval. Analysis of various types of organizations in American society; internal and external processes and organizational structure.

450 Social Change. (3) A. Prerequisite: six hours of SOC or instructor approval. Analysis of theories of social and cultural change in terms of process and direction and methodological issues.

455 Collective Behavior. (3) A. Prerequisite: six hours in SOC. Analysis of mass phenomena such as public opinion, rumors, fads, mobs, riots, panics, and social movements; including a consideration of the development and termination of collective behavior forms.

460 Sociological Theory I—Classical Writers. (3) I. Prerequisite: nine hours in SOC. Early developments in sociological theory; definition of the field and formation of schools of theory; the basis upon which contemporary theories are built.

461 Sociological Theory II—Contemporary Writers. (3) II. Formerly SOC 561. Prerequisite: nine hours in SOC or instructor approval. Current state of sociological theories; recent formulations, controversies, and trends.

463 Social Stratification. (3) A. Prerequisite: six hours in SOC. Classic and recent studies of social classes and strata; critical analysis of recent research methods; social class, mobility aspirations.

465 Demography. (3) A. Methods of demographic analysis with special emphasis on sources and uses of demographic data; models of population processes such as mortality, fertility, and migration.

470 Seminar in Sociology. (3) A. Prerequisite: nine hours in SOC or instructor approval. Systemic overview of sociology through a general survey of various subdisciplines of the field with emphasis on recent research, theory, issues, and developments.

492 Applied Sociology. (3) A. Prerequisite: six hours in SOC. Applications of principles of sociological theory to problems of present day society, analysis of past societies, or imaginative construction of future societies.

590 Directed Study. (1-3) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken to a maximum of six hours provided the subject matter differs each time. Directed study in sociology.

GRADUATE COURSES

790 Directed Study. (1-3) A.
845 Community Development. (3) A.
865 Demography. (3) A.

SWK—Social Work

210 Introduction to Social Work. (3) I, II. Defines the social welfare system; presents a brief history; introduces philosophy, values, processes of the social work profession; emphasizes the relationship aspect of social work; includes a volunteer requirement.

225 Human Social Interactions. (3) I, II. Formerly SWK 280. Prerequisites: SOC 131, PSY 202, and SWK 210. Systems view of human behavior and social environment; explores developmental life cycle within social work perspective, emphasizes sociobiological nature of individual human system; diversity of human experience is addressed.

310 Social Welfare Services I. (3) I, II. Prerequisite: SOC 131 and SWK 210; or instructor approval. Study of income maintenance programs and services to families and children; role of social workers in these programs.

311 Social Welfare Services II. (3) A. Prerequisite: SWK 310 or instructor approval. Study of social programs/services in specialized systems such as health care, corrections, women's services, mental health, and gerontology; role of social workers in these systems.

331 Appalachia: A Cultural Perspective. (3) A. Cross listed as ANT 331. Prerequisites: SOC 131 and three hours of ANT, SOC, or SWK. Sociocultural perspective of Appalachia. Relationship of physical characteristics; beliefs; occupation; personality; family/kinship patterns to health. Cross-cultural professional practice skills and errors of crosscultural helping. Credit will not be awarded to students who have credit for ANT 331.

335 Human and Social Processes. (3) I, II. Formerly SWK 380. Prerequisites: SWK 225 and POL 101. Integration of biological, psychological, social structural, and cultural theories as they impact human behavior—individual and collective. Systems, human diversity, and goal-directed behavior perspectives.

350 Social Work Practice I. (3) I, II. Formerly SWK 315. Prerequisite: SWK 335 or instructor approval. Corequisite: SWK 354. Theoretical base and basic practice skills for beginning social workers. Includes skills in problem assessment, data collection, contact initiation, and contract negotiation.

354 Practice Skills Laboratory. (1) I, II. Formerly SWK 320. Corequisite: SWK 350. Weekly two-hour skills laboratory. Focuses on interactional activities and exercises that foster the development of interviewing, data collection, assessment, engagement, and contract negotiation competencies.

360 Social Work Practice II. (3) A. Formerly SWK 316. Prerequisite: SWK 350, 354, and SOC 232; or instructor approval. Student develops skills in formation, maintenance, and coordination of action systems of all sizes; use of influence, evaluation, and effective termination. Tools used include group interaction, community investigation, and program development.

390 Field Experience in a Social Agency. (3) A. Prerequisite: SWK 360. May be taken concurrently with or following SWK 360. Eight hours per week in an agency, special community program, or project approved by Practicum Coordinator plus weekly one-hour seminar. Applications of practice theory and process. Student must apply the previous semester. Social work majors only.

410 Social Welfare Policy. (3) I, II. Prerequisites: SWK 311 and POL 101; or instructor approval. Relationships among social institutions; dynamics of policy formulation and analysis; policy-relevant tasks of social workers; impact of social welfare policies on human well-being.

445 Professional Issues and Ethical Dilemmas. (2) A. Formerly SWK 480. Prerequisites: SWK 350 and 354. Seminar: Critical analysis of practice issues and associated dilemmas.

455 Selected Topics in Social Work. (1-3) A. Prerequisite: instructor approval. Course content will be determined by student interest, instructor specialty, and new developments in the profession. May be retaken to a maximum of six hours provided subject matter differs each time.

456 Children's Services. (3) A. Prerequisite: instructor approval. Critical appraisal of societal values of priorities underlying services to children. Examines range of services and skills used in social work practice with children; understanding psycho-social needs of children.

457 Services for the Elderly. (3) A. Prerequisite: instructor approval. Examines societal values relating to the elderly; psycho-social needs of the elderly; community-based and institutional services; and dynamics of working with the elderly and their families.

490 Social Work Practicum. (12) A. Prerequisites: GPA of 2.0 and completion of all other major requirements with a minimum grade of "C." Supervised practice in a social agency approved by Practicum Coordinator. Four days a week for 12 weeks plus weekly on-campus seminar. Application must be made through Practicum Coordinator the semester preceding placement. Social work majors only.

590 Directed Study. (1-3) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken to a maximum of six hours provided the subject matter differs each time.

GRADUATE COURSE

790 Directed Study. (1-3) A.

DEPARTMENT OF
GEOGRAPHY AND PLANNING

W. J. Walker, Chair; Adams, Kubiak, Marionneaux, Quillen, Schein, Wasserman, Zurick.

The major goals of the Department of Geography and Planning are to prepare professional geographers for a contributory role in society; to provide the necessary academic background for prospective teachers; and to provide geographic, planning, and tourism information and expertise to the state, local, and university communities.

Graduates with a geography degree may find employment and academic opportunities in such areas as teaching, cartography, remote sensing, economic development, resource management, urban and regional planning, tourism operations, or tourism marketing and development. Career opportunities exist in both the private and public sectors of the economy. A degree in geography also prepares students for advanced study in graduate school.

The Department offers programs of instruction leading to a Bachelor of Arts degree in geography (teaching and non-teaching) with options in planning or travel and tourism. Teaching and non-teaching minors are also offered. Students pursuing the B.A. in geography (non-teaching) must take the 21 hour geography core, plus an additional 12 hours in geography. Students pursuing a geography major with an option in planning or travel and tourism are required to take the geography core, plus the courses specified for the option.

Geography

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 33 hours

Geography Core ..... 21 hours

GEO 210, 220; GEO 321 or 330; GEO 345 or 347; GEO 351, 450, and 490.

Majors must select an option in planning or travel and tourism or take the following geography courses: GEO 355; GEO 353 or 556; GEO 553, and three hours of upper division geography electives ..... **12 hours**

Options

Planning ..... 12 hours

PLA 220, GEO 355, and six hours of upper division planning electives.

Travel and Tourism ..... 12 hours

TNT 210, 310, 315, and 415.

Supporting Course Requirements ..... 9-18 hours

Geography ..... 9 hours

GLY 108 and six hours to be selected from a departmental approved list.

Planning ..... 9 hours

GLY 108 and six hours to be selected from a departmental approved list.

Travel and Tourism ..... 18 hours

The student may minor in general business, foodservice administration, planning, political science, public relations, or select 18 hours from a departmental approved list.

General Education Requirements ..... 43-46 hours

Standard General Education program, excluding course category 14 for the geography major and for the planning option. The travel and tourism option requires 46 hours. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours

CSO 100 and eight hours of restricted electives.

Free Electives ..... 22-34 hours

Geography ..... 34 hours

Planning ..... 34 hours

Travel and Tourism ..... 22 hours

Total Curriculum Requirements ..... 128 hours

Geography (Teaching)

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 30 hours

GEO 210, 220, 302; GEO 321 or 322; GEO 330, 345, 347, 450, GLY 108, and three hours of upper division geography electives.

Minor ..... 21 hours

A 21 hour teaching minor in art, English, French, history, mathematics, or Spanish is required unless the student has a second major in an appropriate discipline.

Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 449, 498, and 499.
General Education Requirements ..... **40 hours**
Standard General Education program, excluding course categories 12 and 14. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **9 hours**
CSO 100 and eight hours of restricted electives.
Total Curriculum Requirements ..... **128 hours**

MINOR IN GEOGRAPHY

A student may minor in geography by completing a minimum of 18 semester hours as follows: GEO 210, 220, 330, 345, and six hours of upper division geography electives.

MINOR IN GEOGRAPHY (TEACHING)

A student may minor in geography (teaching) by completing a minimum of 21 semester hours as follows: GEO 210, 220, 330, 345, and nine hours of upper division geography electives.

MINOR IN NATURAL RESOURCE ANALYSIS

A student may minor in natural resource analysis by completing a total of 18 hours as follows: GEO 210, 353, 355, 556, and six hours from GEO 302, 450, 501, or PLA 300.

MINOR IN PLANNING

A student may minor in planning by completing a total of 18 hours as follows: PLA 220, GEO 321, 355, six hours of upper division planning electives, and three hours electives from GEO 322, 330, 450, POL 333, or 370.

MINOR IN TRAVEL AND TOURISM

A student may minor in travel and tourism by completing a total of 18 hours as follows: GEO 210, 220, 345, TNT 210, 310, and three hours from TNT 315 or 415.

GRADUATE PROGRAMS

The Department of Geography and Planning provides graduate level courses as support for other related disciplines including the community development option in the Master of Public Administration Program offered by the Department of Government.

The Master of Arts in Education degree with an option in geography is offered in the College of Education with the cooperation of the Department of Geography and Planning. The regulations for the degree may be found in the College of Education section of the *Graduate Catalog*.

Course Descriptions

GEO—Geography

101 Introduction to Geography. (3) A. Study of the principles of geography stressing cultural change as it pertains to human and physical environment distributions, relationships, and interactions over the earth. Gen. Ed. 09.

170 Maps and Navigation. (3) A. An introductory course designed to aid students in reading, interpreting, and using various types of maps. The specific focus will be on those maps utilized in applied navigation, e.g., dead reckoning.

201 Historical Geography I: Pre-industrial Era. (3) A. The study, from a geographic perspective, of the earth's early human occupancy and the divergent development of culture systems and technologies prior to the industrial revolution. Gen. Ed. 10.

202 Historical Geography II: Modern World. (3) A. Study of the elements of cultural convergence in the modern world and how human technologies have advanced to become the dominant agencies in changing the geography of the earth in the modern period of human occupancy. Gen. Ed. 11.

210 Introduction to Physical Geography. (3) A. Study of natural processes operating at the earth's surface with special emphasis on weather and climate and landforms as explanations for how and why physical and human phenomena vary from place to place. 2 Lec/2 Lab. Gen. Ed. 14.

215 Introduction to Meteorology. (3) A. This is a non-technical introduction to meteorology designed for non-science majors. Emphasis is placed on the interpretation of weather phenomena and their effects on people. Gen. Ed. 15 or 16.

220 Human Geography. (3) A. Introduction to geographic study of human occupance of the earth, including patterns and processes of human activity and human/land interaction.

300 Geography: ____. (3) A. Prerequisite: instructor approval. Designed for study of special topics. The specific orientation (cultural, physical, field studies, etc.) will follow course title. May be retaken to a maximum of nine hours provided subject matter differs each time.

302 Conservation and Environmental Problems. (3) A. Examination of environmental problems, their relationship to technology, and the application of principles of conservation. Gen. Ed. 12.

321 Urban Geography. (3) A. Study of city functions, patterns, and past and current problems confronting the city, including the problems of planning, zoning, community housing, shopping centers, and urban renewal. Gen. Ed. 12.

322 Political Geography. (3) A. Study of major areas of international concern focusing in geographic variations and political behaviors which have created modern political diversity. Gen. Ed. 12.

330 Economic Geography. (3) A. Geographic patterns and processes of production, trade, finance, and other services at local, regional, and global scales.

345 Regions and Nations of the World. (3) A. Study of the rapidly changing world regions and the resulting problems. Specific attention will be directed toward present areas of international concern. Gen. Ed. 12.

347 Regional Geography: ____. (3) A. Physical, cultural, and economic geography of a selected region (e.g., Europe, North America, Kentucky) with emphasis on the region's current problems. May be retaken to a maximum of 12 hours provided subject matter differs each time.

349 Cooperative Study: Geography. (1-8) A. Prerequisite: departmental approval. Work in placement related to academic studies. One to eight hours credit per semester or summer. Total hours for baccalaureate, 16. A minimum of 80 hours employment required for each semester hour credit. No more than six hours may count toward the major.

351 Research Methods in Geography. (3) A. Prerequisites: GEO 210 and 220; or departmental approval. Provides majors with a background in the areas of geographic research, analysis, and writing. Includes field techniques, data base search, literature reviews, statistical methods, and research writing.

353 Geographic Information Systems. (3) A. This course is designed to teach students the nature of Geographic Information Systems. Emphasis is placed on basic theories and techniques of GIS. Students will have "hands-on" experience using GIS.

355 Cartography. (3) A. Map compilation, execution, proofing, and reproduction, utilizing a variety of techniques, materials, and tools in laboratory exercises. Lectures provide supplementary information and cover current developments. 1 Lec/4 Lab.

450 Field Studies. (3) A. Prerequisite: GEO 351 or departmental approval. Field techniques and applied case studies of geographic topics in both immediate and distant environs. 1 Lec/4 Lab and field exercises.

490 Senior Seminar. (3) A. Prerequisite: GEO 351 or departmental approval. A comprehensive study of geography including such topics as historical development, major concepts, role of the discipline, and trends.

495 Practicum. (3-6) A. Prerequisite: GEO major. Students will work under departmental supervision in governmental, corporate, or private enterprises which are engaged in applied geography. Determination of the number of hours will be made by the department, depending upon the range and depth of activities to be engaged in. May not be retaken.

498 Independent Study. (1-3) A. Prerequisite: departmental major with a senior standing. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

501 Advanced Geography: ____. (3) A. Prerequisite: departmental approval. In-depth study of physical, cultural, or economic geography themes. May be retaken to a maximum of six hours if subject matter differs each time.

553 Research Applications in Geography. (3) A. Prerequisite: introductory statistics course. Statistical and computer techniques applied to geography and planning problems. 2 Lec/2 Lab.

555 Advanced Cartography. (3) A. Prerequisite: GEO 355 or instructor approval. Advanced techniques of cartographic presentation of data to include computer applications. 1 Lec/4 Lab.

556 Remote Sensing. (3) A. Prerequisite: departmental approval. Characteristics, uses, and interpretation of several types of remote sensing imagery, emphasizing aerial and multispectral scanner radar, and thermal infrared imagery, including digital data processing by computer satellite imagery.

597 Special Studies in Geography. (1-3) A. Cross listed as PLA 597. Prerequisite: departmental approval. Directed work in geography. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Credit will not be awarded to students who have credit for PLA 597.

GRADUATE COURSES

701 Advanced Geography: ____. (3) A.
753 Research Applications in Geography. (3) A.
755 Advanced Cartography. (3) A.
756 Remote Sensing. (3) A.
797 Special Studies in Geography. (1-3) A.

PLA—Planning

220 Introduction to Planning. (3) A. Introduction to urban, regional, state, and national planning. Topics include the development of planning and its vocabulary; the process, functions, and organization of planning; and planning for elements and systems.

300 Planning Topics: ____. (3) A. Designed to provide study in specific topics to include land use and environmental planning, human resource planning, and transportation planning. May be retaken to a maximum of nine hours if subject matter differs each time.

349 Cooperative Study: Planning. (1-8) A. Prerequisite: departmental approval. Work in placement related to academic studies. One to eight hours credit per semester or summer. Total hours for baccalaureate, 16. A minimum of 80 hours employment required for each semester hour credit. No more than six hours may count toward the major.

495 Practicum. (3-6) A. Prerequisite: PLA major. Students will work under departmental supervision in governmental, corporate, or private enterprises which are engaged in planning. Determination of the number of hours will be made by the department, depending upon the range and depth of activities to be engaged in. May not be retaken.

498 Independent Study. (1-3) A. Prerequisite: departmental approval. Independent study topic in specific aspects of planning. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

521 Seminar in Planning: ____. (3) A. Prerequisite: departmental approval. In-depth study of urban or regional planning topics, such as growth management and land use. May be retaken to a maximum of six hours provided subject matter differs each time.

597 Special Studies in Planning. (1-3) A. Cross listed as GEO 597. Prerequisite: departmental approval. Directed work in planning. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. Credit will not be awarded to students who have credit for GEO 597.

GRADUATE COURSES

721 Seminar in Planning: ____. (3) A.
797 Special Studies in Planning. (1-3) A.

TNT—Travel and Tourism

210 Travel and Tourism. (3) A. Travel and tourism are examined in terms of conceptual framework, spatial considerations, and economic, physical, and social impacts.

300 Travel and Tourism Topics: ____. (1-3) A. Prerequisite: instructor approval. Designed to provide study in special areas of travel and tourism as reflected in the course title. May be retaken to a maximum of nine hours provided subject matter differs each time.

310 Travel and Tourism Operations. (3) A. Prerequisite: TNT 210 or departmental approval. Introduction to the function and operating procedures of the major business sectors (e.g., travel agencies, air carriers, tour operations) within the travel-tourism industry. One or more field experiences will be included.

315 Tourism Development. (3) A. Formerly TNT 410. Prerequisite: TNT 210 or departmental approval. An in-depth study of the planning process, the determination of marketing strategies, and the economic impact of tourism development.

349 Cooperative Study: Travel and Tourism. (1-8) A. Prerequisite: departmental approval. Work in placement related to academic studies. One to eight hours credit per semester or summer. Total hours for baccalaureate, 16. A minimum of 80 hours employment required for each semester hour credit.

415 Issues in Travel and Tourism. (3) A. Prerequisite: TNT 210, 315, and GEO 351; or departmental approval. A comprehensive study of current issues, trends, problems, and opportunities in the travel and tourism industry. Field trip and research paper required.

420A Internship. (3) A. Prerequisite: departmental approval. Students will work under departmental supervision in a private or public agency engaged in travel and tourism activities.

420B Internship. (3) A. Prerequisite: departmental approval. Students will work under departmental supervision in a private or public agency engaged in travel and tourism activities.

498 Independent Study. (1-3) A. Prerequisite: departmental approval. Independent study topic in specific aspects of travel and tourism. Student must have the independent study proposal form approved by faculty advisor and departmental chair prior to enrollment.

DEPARTMENT OF GOVERNMENT

Political Science
Public Administration
Legal Studies

R. Vance, Chair; Blanchard, Busson, Dean, Heberle, Kwak, McCord, Patton, G. Rainey, J. Rainey, Singleton, Tackett, Wimberly.

Government, politics, administration, and law are the closely related concerns of the Department of Government. The department offers programs of instruction leading to Bachelor of Arts degrees in political science, political science (teaching), and paralegal science; an Associate of Arts Degree in paralegal studies, the Master of Arts in political science, and the Master of Public Administration.

Consistent with its liberal arts tradition, the department's undergraduate degree programs strengthen a student's ability to think critically, deal with the complexities of issues and values, empathize with others, make decisions, do research, and communicate in writing and orally. The programs include many elective hours, which can be used to enhance knowledge and skills related to many kinds of employment. The department's graduates are prepared for a wide variety of career opportunities in business, government, teaching, communications, politics, and the military services. They are also prepared to seek graduate and professional degrees in fields such as law, public administration, business administration, journalism, social work, education, counseling, theology, planning, architecture, international affairs, and the social sciences.

The paralegal programs, which are approved by the American Bar Association, comprise the study of legal principles and specific skills needed to assist in the delivery of legal services. The two-year paralegal studies program is intended primarily for persons who are already working in law offices or who have had substantial relevant work experience. Both programs lead to professional careers as paralegals, law office managers, insurance claim evaluators, paralegal managers, judicial assistants, title abstractors, administrative hearing advocates, and to other careers in government and business.

Besides the paralegal (LAS) courses in the paralegal degree programs, several other LAS and political science (POL) courses are devoted to the study of law as a social institution.

The political science programs entail the study of government—its purpose, structure, operation, activities, and relation to other organizations, groups, and individuals—as well as the study of international relations. Many students planning to attend law school find these programs to be particularly good background for their legal study.

Public administration is the study of the structure and management of public organizations, including both government agencies and other not-for-profit agencies, the activities and responsibilities of persons who work in such organizations, and the specific skills needed by such individuals.

Political Science

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **33 hours**
POL 101; six hours from international relations and/or comparative courses; six hours from American government and/or public administration courses; POL 380; three hours from POL 557, 558, or 559; plus 12 other hours in political science. A total of 18 hours must be in courses numbered 300 or above. *(To identify courses in international relations, comparative government, American government, public administration, and methodology see the note immediately under the heading "Course Descriptions.")*

General Education Requirements ..... **46 hours**
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
CSO 100 and eight hours of restricted electives.

Free Electives ..... **40 hours**

Total Curriculum Requirements ..... **128 hours**

MINOR IN POLITICAL SCIENCE

A student may minor in political science (non-teaching) by completing POL 101 plus 15 hours of which nine hours must be in courses numbered 300 or above.

Political Science (Teaching)

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **33 hours**
POL 101; six hours from international relations and/or comparative courses; six hours from American government and/or public administration courses; POL 380; three hours from POL 557, 558, or 559; plus 12 other hours in political science. A total of 18 hours must be in courses numbered 300 or above. *(To identify courses in international relations, comparative government, American government, public administration, and methodology see the note immediately under the heading "Course Descriptions.")*

Minor ..... **21 hours**
A 21 hour teaching minor is required.

Teacher Education Requirements ..... **28 hours**
EDF 102, 202, 317, EPY 318, ESE 449, 498, and 499.

General Education Requirements ..... **43 hours**
Standard General Education program, excluding course category 12. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
CSO 100 and eight hours of restricted electives.

Total Curriculum Requirements ..... **128 hours+**

+Careful selection of minor courses is required to stay within the 128 hour total.

MINOR IN POLITICAL SCIENCE (TEACHING) ..... 21 hours

POL 101; six hours from international relations and/or comparative courses; six hours from American government and/or public administration courses; and six hours of political science courses. A total of 12 hours must be in courses numbered 300 or above. No more than six hours may be counted toward the teaching minor from POL 490, 495A, 495B, 496A, 496B, 497, or 498. *(To identify courses in international relations, comparative government, American government, public administration, and methodology see the note immediate under the heading "Course Descriptions.")*

PARALEGAL PROGRAMS

J. McCord, Director

The paralegal programs comprise a Bachelor of Arts degree in paralegal science and an Associate of Arts degree in paralegal studies. The objectives of the programs are: (1) to create, implement, and maintain a strong, flexible program directed to the quality education of occupationally competent paralegals; (2) to provide a paralegal education program that leads to employment of its graduates by a wide range of employers; (3) to provide paralegals with a well-rounded, balanced education founded on a beneficial mix of general education, theory, and practical courses stressing understanding and reasoning rather than rote learning of facts; (4) to support the general principles of ethical legal practice, professional responsibility, and the prohibitions against the unauthorized practice of law by laymen; (5) to provide an educational program which is responsive to the varied needs of the state of Kentucky and the region and contributes to the overall advancement of the legal profession; (6) to provide a program which instills respect for the legal profession and its foundations, institutions, and quest for justice; and (7) to maintain equality of opportunity in the educational program without discrimination or segregation on the grounds of race, color, religion, natural origin, or sex.

DEGREE REQUIREMENTS

In addition to the requirements specified below, paralegal majors (A.A., B.A.) must attain a minimum grade of "C" in all "major" and "supporting" courses. A minimum grade of "C" must be earned in LAS 210 before taking LAS 211 and a minimum grade of "C" must be earned in LAS 211 before being admitted to any of the upper division LAS requirements.

TRANSFER STUDENTS

Transfer students must take a minimum of 15 semester hours of paralegal (LAS) courses at Eastern to earn a paralegal degree.

Paralegal Science

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... **37 hours**
LAS 210, 211, 301, 302, 350, 385, 399, 401, and 12 hours from LAS 310, 340, 370, 380, 390, 392, or 490.

Supporting Course Requirements ..... **12 hours**
ACC 201, ENG 301, POL 101, and three hours from POL 460, 463, or 464.

General Education Requirements ..... **46 hours**
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **9 hours**
CSO 100 and eight hours of restricted electives.

Free Electives ..... **24 hours**

Total Curriculum Requirements ..... **128 hours**

Paralegal Studies

(ASSOCIATE OF ARTS)

Major Requirements ..... **34 hours**
LAS 210, 211, 301, 302, 350, 385, 399, 401, and nine hours from LAS 310, 340, 370, 380, 390, or 392.

Supporting Course Requirements ..... **27 hours**
CSO 100, six hours of English Composition*, three hours general education humanities*, POL 101*, three hours general education natural science* or MAT 106* or MAT 107*, one hour of general education elective*, ACC 201, ENG 301, and four hours of restricted electives.

Free Electives ..... **4 hours**

Total Curriculum Requirements ..... **65 hours**

GRADUATE PROGRAMS

The Department of Government offers the Master of Arts in political science degree and the Master of Public Administration degree. Degree and admission requirements are found in the *Graduate Catalog*. The Master of Arts in political science degree program develops advanced competence in political science as preparation for further graduate study, law school, or positions in public affairs. The Master of Public Administration degree, accredited by the National Association of Schools of Public Affairs and Administration, is primarily for persons interested in public service. The Master of Public Administration degree program has general administration, community health administration, and community development options. The department cooperates with the College of Education in offering course work for a Master of Arts in Education with an option in political science.

Course Descriptions

Note: POL courses are grouped as follows according to the below listed middle digits of the course numbers. For example, POL 210 is a comparative government course.

0 Special topics
1 Comparative Government
2 International Relations
3 American (State & Local)
4 American Political Process
5 Theory
6 Judicial Process
7 Public Administration
8 Methodology
9 Practicums, Internships, and Independent Study

POL—Political Science

100 Principles of Politics and Government. (3) I, II. An introductory social science course focusing on the political and governmental aspects of societies. Does not count toward political science major requirements. Gen. Ed. 09.

101 Introduction to American Government. (3) I, II. Principles, functions, and basic political institutions of the American system of government at the national level. Gen. Ed. 12.

201 Short Topics in Political Science. (1-3) A. A maximum of three short topics offered during any semester. The student may take any or all topics. May be retaken to a maximum of six hours when topics vary. For those qualified high school students enrolled in the topic "A Kentucky Locality" the grade of "IP" may be given.

210 Political Development: Traditional and Transitional Societies. (3) I, II. Examination of traditional and transitional nations and regions, past and present; relation between political development and social, economic, and political institutions; development of national identity. Gen. Ed. 10.

211 Political Development: Modern Societies. (3) I, II. Politics and political change in modern, industrial societies. Democratic and authoritarian systems as ways of promoting and dealing with technological, economic, and social changes and their consequences. Gen. Ed. 11.

220 Problems of International Politics. (3) I, II. Cooperation and conflict in the relations among nations. Diplomacy, military force, and international organizations as instruments, with emphasis on the international behavior of the great powers. Gen. Ed. 12.

300 Contemporary Political Problems. (3) I, II. Application of the skills of citizenship to problems of contemporary politics. Designed to increase the students' political awareness and ability to function politically in contemporary society. Gen. Ed. 12.

305 Computers and Society. (3) A. Cross listed as CSC 305 and SOC 305. The influence of computers on social and political processes. Software related to socio-political issues. Credit will not be awarded to students who have credit for CSC 305 or SOC 305.

312 Politics in China. (3) A. Analysis of political development, organizational structure, and operation of Chinese political systems with particular emphasis on Chinese Communism, foreign policies, and contemporary problems in China.

313 Politics in Japan and the Two Koreas. (3) A. Formerly POL 513. Analysis of political development, organizational structures, and political systems of Japan, South Korea, and North Korea, with emphasis on their foreign policy behavior.

315 Politics of Western Democracies. (3) A. Prerequisite: three hours of POL or instructor approval. Examination of major characteristics, similarities and differences in the political systems of selected Western democracies.

316 Russia and the Former USSR. (3) A. The Gorbachev revolution and its aftermath in Russia and other Soviet successor states; development of new government institutions, multiparty systems, and civil society; nationalism and ethnic politics; Commonwealth of Independent States and other coordinating efforts.

321 American Foreign Policy. (3) II. Prerequisite: three hours of POL or instructor approval. Analysis of the internal processes and external factors which affect U.S. foreign policy, with emphasis on the post-World War II period. Case studies in decision-making.

325 International Security Affairs. (3) I. Analysis of major problems of national/international security, the role of military power and arms control in the nuclear era, with emphasis on military-security policies of great powers.

327 International Law and Organization. (3) A. Prerequisite: three hours of POL or instructor approval. Analysis of the development of the U.N.; functional and regional approaches to peace, security, economic cooperation, social welfare, and law in international relations.

331 Urban Politics. (3) A. Political processes of urban areas including comparisons of alternative structures of urban and other local government.

332 Kentucky Government and Politics. (3) I, II. An overview of the Kentucky political system: major institutions, processes and political leaders, with emphasis on recent events and developments. Credit will not be awarded to students who have credit for POL 497B.

333 American State and Local Government. (3) A. Study of the institutions and processes of government of the fifty states and of cities and counties.

340 American Politics: Parties, Public Opinion, and Pressure Groups. (3) A. Prerequisite: POL 101 is recommended. Informal political institutions of American government; functions, organization, financing of political parties, public opinion, and pressure groups. Their relationship to democracy.

341 The Legislative Process: Congress and State Legislatures. (3) A. Prerequisite: POL 101 is recommended. A systematic examination of the decision-making process in Congress and state legislature.

342 The American Chief Executive: President and Governor. (3) A. Prerequisite: POL 101 is recommended. An examination of the power and functions of the offices of the President and governor. Recent developments affecting the American President will be emphasized.

345 Minority Group Politics. (3) A. Prerequisite: POL 101 is recommended. Examination and comparison of various theories, strategies, forms of participation, leadership styles, and concepts (e.g., Black Power) of minority group politics.

347 Politics and Religion in the U.S. (3) A. Interaction of government, politics, and religion in the U.S. Role of the Supreme Court and First Amendment in defining church-state separation and freedom of religion; religious organizations as pressure groups and agents of socialization; religion in electoral politics; religion and public schools.

349 Cooperative Study: Political Science. (1-8) A. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit. No more than six hours may count toward this major.

357 American Political Thought. (3) A. Study of the political philosophy and values that have shaped the American political system. Emphasis given to problems in democratic theory and to competing ideologies within the American political system.

360 Judicial Process. (3) A. Study of legal and judicial systems in the United States and their role in the American political process.

370 Introduction to Public Administration. (3) A. Prerequisite: POL 101 or 333. Survey of organization, authority, decision-making, intra-organization communications, and application of principles of the American bureaucracy by case studies.

371 Governmental Administration of Social Services, Programs, and Agencies. (3) A. Prerequisite: three hours of POL or social work; or instructor approval. Examination of the political and administrative problems in public agencies and survey of management tools available to those responsible for the delivery of social services.

374 Introduction to Public Policy. (3) A. Introduction to the role of federal, state, and local governments in the formulation, implementation, and evaluation of public policies. Examples of policy decisions which might be covered include, energy, housing, environmental quality, and social services.

376 Public Personnel Policy. (3) A. Overview of institutions, policies, and practices for utilization of human resources in government. Analysis of contemporary issues. Civil Service systems, public unionism, affirmative action, pubic sector efficiency.

377 Public Budgeting. (3) A. The political consideration of budget formulation, budget strategy, and budget execution. An analysis of the role of taxes, spending, program evaluation, and planning in the budgeting process at the federal, state, and local levels.

380 Research and Writing in Political Science. (3) A. Prerequisite: majors, minors, or instructor approval. Practical application of techniques and methods used in collection, analysis, and written presentation of political data.

405 Special Topics in Political Science. (3) A. Exploration of a particular topic; theorist, institution, process, policy, writings, or their combinations. Prerequisites set by the department. May be retaken to a maximum of six hours provided subject matter is different each time.

410 Studies in Comparative Government and Politics. (3) A. Prerequisite: six hours of POL. Study of selected country, region, or a cross-national study of a political institution (e.g. Executives, Political Parties, Legislatures). May be retaken to a maximum of nine hours provided the subject matter differs each time.

417 Eastern Europe in Transition. (3) A. Background to and examination of the 1988-90 revolutions and ongoing change in former Communist states of Eastern/Central Europe; development of new political and governmental institutions; problems of transition; ethnic politics; emergence of new alliance and enmities.

440 Voting Behavior. (3) A. Prerequisite: POL 101 is recommended. Survey of recent literature in the field of voting behavior in the U.S. Topics include public opinion, polling, participation, and campaign behavior. Attention paid to methodologies and techniques.

460 Law and Society. (3) A. Sources, nature, function, and limits of law as an instrument of social and political control and direction. Examples taken from property, torts, contracts, criminal law, and selected areas of public policy.

463 Constitutional Politics. (3) A. An examination of constitutional problems in American government. Emphasis is given to cases in their legal and political context.

464 Law and Politics of Civil Liberties. (3) A. An examination of historic and contemporary problems of civil liberties. Emphasis is given to cases in their legal and political context.

490 Independent Work in Political Science. (1-3) A. Individual research and/or reading on a problem or area in political science. Regular reports and final research paper required. May be retaken to a maximum of six hours. Students must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

495 Practicum in Political Science. (1-3) A. Supervised field study program. May be retaken to a maximum of six hours, provided subject matter differs each time. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

495A Practicum in American Political Process. (1-3) A.

495B Practicum in Comparative Politics and International Relations. (1-3) A.

496A Washington Internship. (6-12) A. Prerequisite: junior or senior standing with 2.5 GPA. Supervised internship with government or private agencies in Washington, D.C. Open by application to those students who fulfill the prerequisite.

496B Washington Seminar. (3) A. Corequisite: POL 496A. Seminar on selected topics in national government.

497 Kentucky Administrative Intern Program. (18) A. Prerequisite: junior or senior standing with a cumulative GPA of 2.6 or better (on a 4.0 scale). Enrollment is by invitation only and limited to a maximum of 18 hours.

497A Internship in State Government. (3-9) A. Each intern's performance in his or her job is evaluated by the agency supervisor in consultation with the intern's campus coordinator or the student's advisor in the department granting credit for the internship. May be retaken to a maximum of nine hours.

497B Selected Topics in Administration of Kentucky State Government. (3-12) A. Seminar on various topics on the administration of Kentucky state government which support and constitute an essential part of the Kentucky Administrative Intern Program. May be retaken to a maximum of 12 hours provided the topics vary. Credit will not be awarded to students who have credit for POL 332.

498 Kentucky Legislative Internship Program. (15) A. Prerequisites: junior or senior standing with a cumulative GPA of 2.8 or better (on a 4.0 scale) and a definite interest in the legislative process in the Commonwealth. Enrollment is by invitation only and limited to a maximum of 15 hours.

498A Legislative Internship. (3-9) A. Each intern's performance in his or her legislative assignment will be evaluated by the immediate supervisor in consultation with the campus coordinator. May be retaken to a maximum of nine hours.

498B Selected Topics in Kentucky Legislative Process. (3-9) A. Seminar on various topics on the legislative process in the Commonwealth which support and constitute an essential part of the Kentucky Legislative Internship Program. May be retaken to a maximum of nine hours.

517 Politics and Social Change. (3) A. Comparative study of politics in present and past societies to consider the relationship between politics, political change and the broader social change. Emphasis on political phenomena especially suited to comparative study.

521 Contemporary International Relations. (3) A. Systematic analysis of major contemporary theories and approaches to the study of international politics and foreign policy.

525 Workshop in International Affairs. (3) SUMMER ONLY. Explores major problems in international affairs. Covers various areas of the world with reference to significant factors and problems of the people. Designed primarily for secondary teachers in the social science field.

531 Topics in Local and State Government. (3) A. An analysis of the institutions, policies, administration, and environmental systems which impact upon the operation of American local and/or state government. May be retaken to a maximum of six hours provided topics vary.

541 Politics and Education. (3) A. An examination of the way political decisions and policies are made in the field of education. Special attention is given to educational decision makers and political power at the local level.

557 Classical Political Thought. (3) A. Cross listed as PHI 557. Examination of the origins of Western political thought. Intensive reading of Plato, Aristotle, and Cicero. Credit will not be awarded to students who have credit for PHI 557.

558 Medieval, Renaissance, and Reformation Political Thought. (3) A. Cross listed as PHI 558. Examination of the political theories of Augustine, Aquinas, Dante, Marsillio, Machiavelli, Luther, Calvin, and Bodin. Attention to the church-state controversy, the development of the concepts of representation, constitutionalism, and sovereignty. Credit will not be awarded to students who have credit for PHI 558.

559 Modern Political Thought. (3) A. Cross listed as PHI 559. Examination of the development of political thought from Hobbes to Nietzsche. Credit will not be awarded to students who have credit for PHI 559.

565 Administrative Law. (3) A. Prerequisite: instructor approval. Nature of the powers vested in administrative agencies; the problems of administrative procedure; and the methods and extent of judicial control over administrative action.

GRADUATE COURSES

717 Politics and Social Change. (3) A.
721 Contemporary International Relations. (3) A.
725 Workshop in International Affairs. (3) SUMMER ONLY.
731 Topics in Local and State Government. (3) A.
741 Politics and Education. (3) A.
757 Classical Political Thought. (3) A.
758 Medieval, Renaissance, and Reformation Political Thought. (3) A.
759 Modern Political Thought. (3) A.
765 Administrative Law. (3) A.
800 Research Methods in Political Science. (3) A.
801 Administration, Ethics, and Public Policy. (3) A.
810 Seminar in Comparative Politics. (3) A.
820 Seminar in International Relations. (3) A.
835 Seminar in Intergovernmental Relations. (3) A.
839 Cooperative Study: Public Administration and Political Science. (3-6) A.
840 The Taft Seminar. (3) SUMMER ONLY.
843 Seminar in Political Process. (3) A.
845 Community Development. (3) A.
853 Seminar in Political Theory. (3) A.
863 Seminar in Public Law. (3) A.
871 Field Study in Public Administration. (3-6) A.
875 Public Sector Organizations and Management. (3) A.
876 Public Personnel Administration. (3) A.
877 Public Finance Administration. (3) A.
879 Public Program Analysis. (3) A.
891 Directed Research. (3-6) A.
893 Special Topics. (1-3) A.
895 Independent Study. (1-3) A.
899 Thesis. (3-6) A.

LAS—Paralegal

101 Your Legal Rights, Remedies, and Responsibilities. (3) A. Practical law to assist the individual in anticipating and dealing with typical legal needs. Topics will include landlord-tenant problems, consumer rights, personal liability, wills, arrest, divorce, and others. Does not count toward the paralegal major requirements.

210 Introduction to Law. (3) I, II. General study of the purpose, function, and history of law; law-related occupations; court systems; case law analysis; professional ethics; the adversary system; and the major areas of law.

211 Legal Research and Writing. (3) I, II. Prerequisite: LAS 210 or director approval. The sources and techniques of legal research; their application to specific legal problems and the use of legal authority to construct a written legal argument.

301 General Practice Law I. (3) I, II. Prerequisite: LAS 211. Paralegal practice and procedure for general law office; real estate transactions and documents, title searches, title insurance, loan closings, leases, wills, affidavits of descent, foreclosures, and bankruptcy.

302 General Practice Law II. (3) I, II. Prerequisite: LAS 211. Study of legal principles; paralegal practice and procedure for the general law office; torts, contracts, Uniform Commercial Code, subrogation, collections, employee benefits, and insurance defense, emphasizing the systems approach.

305 Special Topics in the Law. (1-3) A. Prerequisite: director approval. A course offered periodically covering topics and issues of current or special interest concerning the law. May be retaken to a maximum of six hours provided topics vary.

310 Family Law Practice. (3) A. Prerequisite: LAS 211. Paralegal practice in family law including forms, documents, and procedures for: marriage, divorce, separation, annulment, alimony, legitimacy of children, custody, adoption, community property, and juvenile law.

340 Criminal Law Practice and Procedure. (3) A. Prerequisite: LAS 211 or director approval. An introduction to criminal law and procedure; criminal law forms and documents, and preparation for criminal litigation using the systems approach.

350 Litigation Practice and Procedure. (3) A. Prerequisite: LAS 302 or director approval. Paralegal trial preparation including investigation techniques, discovery, disclosure, exhibit preparation, witness preparation, pretrial motions, evidence, jury instructions, trial assistance, and appeals, emphasizing the systems approach.

365 Trial and Era: A Legal Heritage. (3) A. A study of famous and significant court trials and the dynamic and dramatic way in which the trial brings together the legal philosophies and social attitudes of the times. Does not count toward the paralegal major requirements.

370 Corporations and Business Organization Practice. (3) A. Prerequisite: LAS 211. Documents, forms, and procedures essential to the corporate paralegal. Development of skills concerning business formations, incorporation, corporate finance, employees, corporate operation, securities, regulatory compliance, merger, acquisitions, sales and terminations.

380 Administrative Agency Practice. (3) A. Prerequisite: LAS 211. Practical paralegal skill development in administrative law and procedure. Forms, documents, pleadings, and techniques for administrative regulatory compliance; case processing; informal and formal administrative advocacy, emphasizing the systems approach.

385 Legal Administration and Computer Applications. (3) A. Prerequisite: LAS 211. The study of law office administration and the utilization of specific law office computer applications.

390 Probate Practice and Procedure. (3) A. Prerequisite: LAS 301 or director approval. Paralegal probate practice including initial steps, asset accumulation, debt management, court procedure, estate-related tax issues and forms. A systems approach will be emphasized.

392 Estate Planning and Procedure. (3) A. Prerequisite: LAS 390 or director approval. The study of law, forms, documents, and procedures essential to the paralegal involved in the drafting of wills, trusts, and estate plans. The systems approach will be emphasized.

399 Paralegal Internship. (4) I, II. Prerequisites: completion of 18 hours of major (LAS) courses or director approval (prior written application is required).

401 Paralegal Seminar. (3) I. Prerequisite: LAS 350 or director approval. Advanced legal research, professional ethics, internship concerns, and issues facing the paralegal profession.

490 Independent Study of Law. (1-3) A. Prerequisite: director approval. Individual research, skill development, and study in an area of law or paralegal practice. Student must have independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken to a maximum of six hours.

535 Municipal Law. (3) A. Prerequisite: LAS 211 or director approval. Practical legal problems confronting municipal officials including: government and public official liability, ordinances, tax levies, bonding, zoning, soliciting, licensing, open meetings, personnel, cutback management, elections, and other issues.

GRADUATE COURSE

735 Municipal Law. (3) A.

DEPARTMENT OF HISTORY

D. Sefton, Chair; Coe, Dunston, Ellis, N. Forderhase, R. Forderhase, Graybar, Mutersbaugh, Odum, Stebbins.

A major in history prepares a student for a wide variety of careers including civil service, social work, law, journalism, politics, radio, television, and advanced graduate study leading to college teaching or library work. In addition, business leaders indicate that they frequently give strong consideration to history majors for management training programs.

Combined with a teaching certificate, a major in history provides an excellent basis for teaching history on the secondary level, or pursuing advanced teaching degrees.

Graduating high school seniors who are interested in the relationship between ideas and events, are curious why certain things happen, and are concerned with human achievements through the years should consider history as a major area of study.

History

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 33 hours

HIS 202, 203, 448, 449, and 21 upper division hours with a minimum of three hours in each of the following areas:

Area I (U.S. early): HIS 300, 303, 305, 401, 402, 403, 405, 408, 500, 507, or 530.

Area II (U.S. recent): HIS 300, 310, 406, 411, 412, 413, 433, 500, 509, 516, or 531.

Area III (Europe early): HIS 300, 336, 339, 340, 345, 363, 500, or 549.

Area IV (Europe modern): HIS 300, 342, 346, 347, 350, 354, 365, 500, or 552.

Area V (Non-Western): HIS 300, 320, 374, 375, 383, 474, or 500.

The remaining six hours of upper division history courses may come from any of the above areas or from other upper division history courses.

Formal research papers are to be written as part of the course requirements in two of the seven upper division courses (one paper in a course from Areas I-II and one paper in a course from Areas III-V).

General Education Requirements ..... 46 hours

Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours

CSO 100 and eight hours of restricted electives.

Free Electives ..... 40 hours

At least three hours of one foreign language is strongly recommended. Students who plan to pursue a graduate degree are strongly encouraged to take at least six hours of a foreign language.

Total Curriculum Requirements ..... 128 hours

History (Teaching)

MAJOR (BACHELOR OF ARTS)

Major Requirements ..... 33 hours

Same as history major without teaching.

Minor or Related Courses+ ..... 18-21 hours

Teacher Education Requirements ..... 28 hours

EDF 102, 202, 317, EPY 318, ESE 449, 498, and 499.

General Education Requirements ..... 46 hours

Same as history major without teaching.

University Requirements ..... 9 hours

CSO 100 and eight hours of restricted electives.

Total Curriculum Requirements ..... 128 hours++

+A student who majors in history may minor in a related discipline if desired. If not, the student will elect 18 hours of related courses drawn from non-history disciplines. Neither a minor nor related courses are required for a non-teaching major.

++Careful selection of minor courses is required to stay within the 128 hour total.

MINOR IN HISTORY

Students majoring in other disciplines may minor in history by completing the following courses: HIS 202 and 203; HIS 231 or GSS 246; HIS 232 or GSS 247; nine hours upper division history electives.

SECOND MAJOR IN HISTORY

A student may complete a second major in history by completing the major requirements listed above.

GRADUATE PROGRAMS

The Department of History offers the Master of Arts with thesis and without thesis and cooperates with the College of Education in offering course work for a Master of Arts in Education (Secondary Education-History). The regulations for the degree may be found in the College of Education section of the *Graduate Catalog*.

Course Descriptions

HIS—History

202 American Civilization to 1877. (3) A. Transition from colonial to independent republic; social, cultural, and economic institutions derived from agrarian conditions; the influence of European foundations. Required of all majors and minors in history. Gen. Ed. 10.

203 American Civilization since 1877. (3) A. Conflicts between demands of an industrial society and agrarian values; interrelationships between world expressions and American experience. Required of all majors and minors in history. Gen. Ed 11.

231 Western Civilization I. (3) A. Ancient Greece to the industrial revolution; institutions, ideas, and social and economic relationships basic to the modern world. Credit will not be awarded to students who have credit for GSS 246. Gen. Ed. 10.

232 Western Civilization II. (3) A. Industrial revolution to present; transformation of cultural background through ideas, science, and industry, development of current western civilization. Credit will not be awarded to students who have credit for GSS 247. Gen. Ed. 11.

300 Topics in History: ____. (3) A. Movements in history that have influenced and continue to influence the course of culture and civilization. May be retaken to a maximum of six hours provided topics vary.

303 Women in American History. (3) A. Prerequisites: HIS 202 and 203; or instructor approval. Social, economic, and cultural role of women in America. Women's work; social position and status; women in reform movements; feminism and the suffrage movements; the new feminism.

305 Afro-American in U.S. History. (3) A. Prerequisites: HIS 202 and 203; or instructor approval. African heritage; middle passage; the peculiar institution; the Negro and the Civil War; Reconstruction; the strange career of Jim Crow; modern emancipation; black nationalism.

310 Big Business in Modern America. (3) A. Cross listed as ECO 310. Prerequisite: HIS 203 or ECO 230; or instructor approval. The growth of "big business" in America from the middle of the nineteenth century to the present; strategy and structure; multinational corporations, public policy. Credit will not be awarded to students who have credit for ECO 310.

312 Independent Study in History: ____. (3) A. Individual research and/or reading on a problem area in history. Regular reports and final research paper required. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

320 History of the Arab World. (3) A. A historical survey of the Arabs, with special attention to the Arab role in the development and spread of Islam, the interaction of the Arabs with other Middle Eastern peoples, and the Arab reaction to the challenge posed by the modern West, all significant factors in the political and cultural shaping of the contemporary Middle East.

336 Greco-Roman Civilization. (3) A. Greek society and culture; emergence of the Roman Republic; the Roman Empire.

339 Medieval Civilization. (3) A. Prerequisite: HIS 231 or instructor approval. The collapse of the Classical world; the Germanic migrations; early Byzantine and Islamic civilizations; the Carolingians; the church and society; feudalism; commercial and urban revival; the rise of territorial states and the beginnings of European expansion.

340 European History from 1300 to 1815. (3) A. Prerequisites: HIS 231 and 232; or instructor approval. Renaissance and Reformation to the French Revolution and Napoleon.

342 Europe from 1815 to 1914. (3) A. Formerly HIS 527. Prerequisite: HIS 232 or instructor approval. Congress of Vienna; revolutionary reform; liberalism; realism and nationalism; worldwide impact of Europe prior to World War I; industrialism; imperialism.

345 English History to 1603. (3) A. Prerequisite: HIS 231 or instructor approval. Roman Britain; Feudalism; rise of Parliament; Hundred Years' War; Reformation; Elizabethan Age.

346 English History from 1603 to present. (3) A. Prerequisites: HIS 231 and 232; or instructor approval. Civil War; imperial expansion; beginnings of industrialization; Victorian Liberalism; two world wars and beyond.

347 Recent and Current World History, 1914 to present. (3) A. Prerequisite: HIS 232 or instructor approval. World War I; peace settlement of 1919; problems of security; war debts and reparations; disintegration of peace settlement; World War II; the Cold War.

349 Cooperative Study: History. (1-8) A. Prerequisite: departmental approval. Does not apply toward a major or minor in history. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

350 Modern Germany. (3) A. Prerequisite: HIS 232 or instructor approval. Nationalism, liberalism, and the German problem; Bismarck and unification; industrialization and socialism; World War I; Weimar Republic and Depression; Hitler and the Third Reich; World War II and the Holocaust; Federal Republic and GDR; Cold War and beyond.

354 Modern France. (3) A. Prerequisite: HIS 232 or instructor approval. Economic, political, social, and cultural developments in France from 1789 to the present.

363 History of Russia. (3) A. Prerequisite: HIS 231 or 232; or instructor approval. Formative period of Slavic states; social and economic forces leading to autocracy; growth of revolutionary thought and action to Revolution of 1917.

365 History of Soviet Union. (3) A. Prerequisite: HIS 232 or instructor approval. The 1917 revolution to the present; the Soviet regime; World War II; post-war years.

374 East Asian History to 1600. (3) A. China and Japan from the beginnings of East Asian civilization in Neolithic times to the early modern period; the development of key social, economic, and political institutions; the Confucian tradition and the introduction of Buddhism; the Mongol era; the late imperial order in China and the emergence of Japanese feudalism.

375 East Asian History since 1600. (3) A. China and Japan from early modern times to the present; the formation of the Ch'ing order in China and Tokugawa Japan; foreign encroachments and internal revolt; the Meiji Restoration; late Ch'ing reform; the Revolution of 1911; warlordism; the Pacific War; Civil War; Japan as superpower and Communist China.

383 Latin American History. (3) A. Topical approach emphasizing politics, religion, social institutions, economic developments, and intellectual life from pre-Columbian time to the present.

401 American Colonial Period. (3) A. Prerequisite: HIS 202 or instructor approval. Political and social history of the 13 colonies and their neighbors; European background; settlement, westward expansion; intercolonial conflicts; beginnings of culture; colonial opposition to imperial authority.

402 Revolutionary America. (3) A. Formerly HIS 502. Prerequisite: HIS 202 or instructor approval. Colonial background of Revolution; internal and external nature of Revolution; problems associated with Confederation; events leading to the American Constitution.

403 Jacksonian America, 1824-1848. (3) A. Prerequisite: HIS 202 or instructor approval. Political, social, and economic transformation in an era of general exuberance.

405 America's Westward Expansion. (3) A. Colonial frontier; trans-mountain movements; Indian problems; Manifest Destiny; the sectional struggle; mining; railroads; cattle; agriculture.

406 South in American History. (3) A. Prerequisites: HIS 202 and 203; or instructor approval. Concepts of Southern exceptionalism; social, political, and economic characteristics; the role of the South within the United States.

408 The Early Republic, 1789-1824. (3) A. Formerly HIS 508. Prerequisite: HIS 202 or instructor approval. Federalists, Republicans, and the Constitution; the French Revolution; War of 1812; breakup of political parties; new political divisions.

411 America, 1877-1920. (3) A. Formerly HIS 511. Prerequisite: HIS 203 or instructor approval. Industrialization; bossism; Populist-Progressive response to industrialism; imperialism; World War I and its immediate aftermath.

412 Depression and War, 1920-1945. (3) A. Formerly HIS 512. Prerequisite: HIS 203 or instructor approval. The Twenties; the U.S. and the Great Depression; approach of World War II; U.S. participation in war; wartime diplomacy; the home front.

413 United States and World Responsibility, 1945-Present. (3) A. Prerequisite: HIS 203 or instructor approval. Problems of postwar adjustment; the Cold War; the affluent society; problems inherent in world leadership.

433 American Diplomatic History. (3) A. Prerequisite: HIS 203 or instructor approval. American foreign relations from the late 19th century to the present; emphasis on development of major trends such as isolationism, imperialism, and internationalism.

448 Topics in History and Social Science: ____. (3) A. Prerequisites: HIS major and six hours upper division HIS. Research and writing methods in history and social science. Study topics vary according to specialties of instructor.

449 Readings in History: ____. (3) A. Prerequisites: HIS major and three hours upper division HIS. The most important literature in historic fields. Fields vary according to specialties of instructor.

474 Transformation of China. (3) A. Prerequisite: HIS 375 or 365; or instructor approval. The development of the People's Republic of China since 1949; key social, political, and economic policies and institutions; Great Leap Forward; Cultural Revolution; post-1978 political and economic reform.

500 Advanced Topics in History: ____. (3) A. Special topics beyond the scope of regularly offered courses. May be retaken to a maximum of six hours provided the subject differs each time.

507 Civil War and Reconstruction. (3) A. Prerequisite: HIS 202 or instructor approval. Causes, nature, and consequences of U.S. Civil War and Reconstruction.

509 Urban America. (3) A. Prerequisites: HIS 202 and 203; or instructor approval. Growth, development, and implications of the city.

516 Kentucky History. (3) A. Social, economic, and political survey; Kentucky's role in national developments.

530 American Social and Intellectual History to 1850. (3) A. Prerequisite: HIS 202 or instructor approval. European influences; the colonial mind; revolutionary attitudes; New England's leadership; the movement of protest and reform; the rise of a native literature.

531 American Social and Intellectual History since 1850. (3) A. Prerequisite: HIS 203 or instructor approval. Civil War; Protestantism and capitalism; Social Darwinism; literature of naturalism and realism; the 20th century mind.

539 Oral History. (3) A. Prerequisites: HIS 202 and 203; or instructor approval. Oral history as an alternative form of historical research; equipment; interviewing techniques; indexing and filing; practical experience with Oral History Center. Credit does not apply to major or minor in history.

549 Tudor-Stuart England, 1485-1688. (3) A. Prerequisite: HIS 345 or 346; or instructor approval. Resurgence of the monarchy; Protestant Reformation; Rise of Parliament; Anglicanism vs. Puritanism; Glorious Revolution.

552 Georgian-Victorian England, 1714-1901. (3) A. Prerequisite: HIS 346 or instructor approval. Growth of parliamentary government; expansion of British Empire; changing role of the Crown; the Industrial Revolution.

GRADUATE COURSES

700 Advanced Topics in History: ____. (3) A.
707 Civil War and Reconstruction. (3) A.
709 Urban America. (3) A.
716 Kentucky History. (3) A.
730 American Social and Intellectual History to 1850. (3) A.
731 American Social and Intellectual History since 1850. (3) A.
739 Oral History. (3) A.
749 Tudor-Stuart England, 1485-1688. (3) A.
752 Georgian-Victorian England, 1714-1901. (3) A.
800 Historiography and Criticism. (3) A.
802 Philosophy of History. (3) A.
806 Problems in Interpreting World History. (3) A.
807 Problems in Interpreting American History. (3) A.
849 Reading and Research. (3) A.
899 Thesis. (3-6) A.

DEPARTMENT OF
PSYCHOLOGY

R. Adams, Chair; Batts, Beal, Botts, Brubaker, Clement, Enzie, S. Falkenberg, V. Falkenberg, Flanagan, Hindman, Lorden, Mazur, Mercer, Mitchell, Perrine, Riggs, Shuntich, Watkins.

The Department offers programs of instruction leading to a degree in psychology (teaching or non-teaching). Students with a degree in psychology have found positions in a wide variety of careers in professional psychology, research, government services, industry, and teaching. A degree in psychology also prepares students for advanced study in graduate or professional school.

Requirements for the major or minor are designed to allow some flexibility so that each student may emphasize those areas best suited to that student's needs, interests, and goals. The following programs are offered:

Psychology

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 33 hours
PSY 201, 202, 291, 301, and one course must be taken from each of the following groups:
(1) PSY 300, 305, 308, 312, 314, or 404.
(2) PSY 302, 319, 402, 405, 406, or 490.
(3) PSY 311, 313, 315, or 317.
(4) PSY 349 (two hours) or PSY 401.
In addition, the student must take nine hours of psychology electives, at least six of which must be upper division.

General Education Requirements ..... 46 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
CSO 100 and eight hours of restricted electives.

Free Electives ..... 40 hours

Total Curriculum Requirements ..... 128 hours

Psychology (Teaching)

MAJOR (BACHELOR OF SCIENCE)

Major Requirements ..... 33 hours
PSY 201, 202, 291, 301, and one course must be taken from each of the following groups:
(1) PSY 300, 305, 308, 312, 314, or 404.
(2) PSY 302, 319, 402, 405, 406, or 490.
(3) PSY 311, 313, 315, or 317.
(4) PSY 349 (two hours) or PSY 401.
In addition, the student must take nine hours of psychology electives, at least six of which must be upper division.

Minor ..... 21 hours
An approved 21-hour teaching minor or an approved second major is required.

Teacher Education Requirements ..... 28 hours
EDF 102, 202, 317, EPY 318, ESE 449, 498, and 499.

General Education Requirements ..... 46 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 9 hours
CSO 100 and eight hours of restricted electives.

Total Curriculum Requirements ..... 128 hours+

+Careful selection of minor courses is required to stay within the 128 hours total.

MINOR IN PSYCHOLOGY

Requirements for a minor are PSY 201 and 202 plus electives in PSY to total 18 hours. A teaching minor must total 21 hours. Transfer students with a one semester introductory course should not enroll in PSY 201 or 202.

SECOND MAJOR IN PSYCHOLOGY

Requirements are the same for a first or a second major in psychology.

GRADUATE PROGRAMS

The Department of Psychology offers the Master of Science degree in clinical psychology and a Specialist in Psychology (Psy.S.) in school psychology.

Degree and admission requirements may be found in the Social and Behavioral Sciences section of the *Graduate Catalog*. Clinical psychology students may earn certification in clinical psychology for the hearing impaired, and a certification-only program in school psychology is available for students with related Master's degrees.

The Department also cooperates with the College of Education in offering course work for a Master of Arts in Education with an

option in psychology. Requirements for this degree may be found in the College of Education section of the *Graduate Catalog*.

Course Descriptions

PSY—Psychology

201 Psychology as a Natural Science. (3) I, II. Introduction to the basic concepts of psychology closely related to the natural sciences, such as basic methodology, psychophysiology, sensation, perception, consciousness, learning, memory, cognitive processes, motivation, and emotion.

202 Psychology as a Social Science. (3) I, II. Introduction to concepts of psychology related to the social sciences, such as human development, learning, individual differences, personality development, adjustment, abnormal behavior, psychotherapy, social psychology, and applied psychology.

210 Psychology of Adjustment. (3) A. Designed for the person with little or no previous training in psychology, describing the origins of and possible ways of dealing with typical adjustment problems of childhood, adolescence, marriage, parenting, careers, and old age.

280 Life Span Developmental Psychology. (3) I, II. Prerequisite: PSY 201 or 202; or instructor approval. A survey of theory and research in developmental psychology across the entire life span. Credit will not be awarded to students who have credit for PSY 312 or PSY 314.

291 Psychology: Statistical-Experimental I. (4) I, II. Prerequisite: PSY 201 or 202; or instructor approval. Introduction to techniques and problems of the experimental method and statistical analysis in psychology. Representative experiments and data analysis. Credit will not be awarded to students who have credit for COR 308 or ECO 220 or ECO 824 or EPY 842 or HEA 450 or PAD 308 or STA 208 or STA 215 or STA 270.

300 Social Psychology. (3) A. Prerequisite: PSY 201 or 202; or instructor approval. Study of contemporary institutions and problems such as prejudice, affection and love, altruism, aggression, and small group behavior. Contemporary theory and research are included. Gen. Ed. 12.

301 Psychology: Statistical-Experimental II. (3) A. Prerequisite: PSY 291. Continuation of PSY 291. Credit will not be awarded to students who have credit for ECO 221 or EPY 843 or STA 271 or STA 500.

302 Tests and Measurements. (3) A. Prerequisite: PSY 201 or 202; or instructor approval. Principles of measurement with application to informal and standardized tests used in education, business, industry, and government. Problems of administration, scoring, and appraisal are considered. Credit will not be awarded to students who have credit for EPY 412.

305 Psychology of Personality. (3) A. Prerequisite: PSY 201 or 202; or instructor approval. Basic approaches to the study of personality. Theory and fact upon which these approaches are related to various kinds of behavior patterns.

308 Abnormal Psychology. (3) A. Prerequisite: PSY 201 or 202; or instructor approval. Descriptive study of the nature, course, classification and prevalence of abnormal behavior, with attention to intellectual, personality, cognitive, sensory and motor functions.

311 Physiological Psychology. (3) A. Prerequisite: PSY 201 or 291; or instructor approval. Facts, concepts, and principles regarding physiological events that underlie behavior. Attention to contemporary research methods and problems undergoing study.

312 Developmental Psychology I. (3) A. Prerequisite: PSY 201 or 202; or instructor approval. Theoretical and empirical approaches to the development of the infant and child with attention to perceptual, behavioral, social, and cognitive development and the capacity for learning. Credit will not be awarded to students who have credit for PSY 280.

313 Learning. (3) A. Prerequisite: PSY 201 or 291; or instructor approval. Experimental study of learning, transfer and retention processes with an analysis of various kinds of learning.

314 Developmental Psychology II. (3) A. Prerequisite: PSY 201 or 202; or instructor approval. Developmental study with emphasis on changes during adolescence, adulthood, aging and senescence. Credit will not be awarded to students who have credit for PSY 280.

315 Sensation and Perception. (3) A. Prerequisite: PSY 201 or 291; or instructor approval. Experimental study of sensation and perception, the sensory and cognitive processes by which we come to know our world. 3 Lec/2 Lab.

315L Sensation and Perception with Lab. (4) A. Prerequisite: PSY 291 or instructor approval. Experimental study of sensation and perception, the sensory and cognitive processes by which we come to know our world. 3 Lec/2 Lab.

317 Cognitive Psychology. (3) A. Prerequisite: PSY 201 or 202; or instructor approval. Theoretical and empirical approaches to human cognition. Topics include knowledge acquisition and organization, memory, language, problem solving, and thinking skills.

317L Cognitive Psychology with Lab. (4) A. Prerequisite: PSY 201 or 202; or instructor approval. Theoretical and empirical approaches to human cognition. Topics include knowledge acquisition and organization, memory, language, problem solving, and thinking skills. 3 Lec/2 Lab.

319 Organizational Psychology. (3) A. Prerequisite: PSY 201 or 202; or instructor approval. Human factors in the organizational patterning of business, industry, and other institutions.

349 Cooperative Study: Psychology. (1-8) A. Prerequisites: 15 hours in PSY and departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: sixteen. A minimum of 80 hours employment required for each semester hour credit. A maximum of two hours may be applied toward the major, not applicable toward a minor. Graded Pass-Fail.

355 Affection and Aggression. (3) A. Prerequisite: PSY 201 or 202; or instructor approval. Theoretical and research perspectives on the topics of attachment, bonding, liking, love and sexuality. Also an exploration of the theories and empirical findings in the domains of aggression and violence.

379 History and Systems of Psychology. (3) A. Prerequisite: nine hours of PSY including PSY 202 or equivalent. A survey of the history of psychology and its various schools of thought and approaches to the study of behavior and mental processes.

397 Topics in Psychology: ____. (3) A. Prerequisite: to be announced. Selected topics for study. Variable topics across semesters in terms of student interest and available faculty. May be retaken, provided the subject matter differs each time.

401 Senior Research Lab. (2) I, II. Prerequisite or Corequisite: PSY 301 or instructor approval. Design, execution, and writing of a supervised independent research project.

402 Industrial Psychology. (3) A. Prerequisite: PSY 201 or 202; or instructor approval. Methods and principles of psychology as applied to business and industry. Emphasis is on employee selection, classification, training and evaluation.

404 Motivation and Emotion. (3) A. Prerequisite: PSY 291 or instructor approval. Study of biological and learned variables in motivated behavior including reflexes, instincts, imprinting, emotion cognitive, and other neurophysiological phenomena.

405 Psychological Interviewing and Reporting. (3) A. Prerequisite: 12 hours in PSY or instructor approval. Principles and techniques of interviewing and case reporting, with emphasis on applications in human services and personnel work.

406 Introduction to Behavior Therapy. (3) A. Prerequisite: 12 hours of PSY or instructor approval. Principles and techniques of applying behavioral principles in the analysis of complex human behavior. Emphasis is placed on methods of observing behavior and analyzing functional relationships between behavior and environment.

407 Problems in Psychology. (1-3) I, II. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Results must be presented in a formal paper. May be retaken to a maximum of six hours provided different problems are studied.

444 Men and Masculinity. (3) A. Prerequisite: PSY 201 or 202; or instructor approval. Examination of masculinity from a variety of psychological viewpoints and application to issues and dilemmas of contemporary males.

490 Clinical Psychology. (3) A. Prerequisite: PSY 201 or 202; or instructor approval. Survey of clinical theories, methods, and approaches.

597 Advanced Topics in Psychology: ____. (3) A. Prerequisites: PSY 201 or 202 and instructor approval. Selected topics for advanced study. Topics vary across semesters depending on student interest and available faculty. May be retaken, provided the subject matter differs each time.

GRADUATE COURSES

797 Advanced Topics in Psychology: ____. (3) A.
802 Seminar in Developmental Psychology. (3) A.
820 Statistics and Research Design. (3) A.
823 Normal Personality and Preventive Mental Health. (3) A.
824 Intellectual Assessment. (3) A.
825 Personality Assessment. (3) A.
826 Professional Concerns. (1) A.
830 Social Processes and Development. (3) A.
840 Learning, Memory, and Cognition. (3) A.
841 Abnormal Behavior. (3) A.
842 Child Psychopathology. (3) A.
843 Practicum/Co-op. (1-3) A.
845 Clinical Issues and the Deaf. (3) A.
846 Behavior Therapy. (3) A.
848 Introduction to School Psychology. (3) A.
849 School Psychology Interventions. (3) A.
850 Psychotherapy and Behavior Change I: Basic Techniques. (2) A.
853 Psychophysiology. (3) A.
860 Psychotherapy and Behavior Change II: Advanced Techniques and Theories. (3) A.
862 Research in Professional Psychology. (3) A.
865 Psychological Consultation. (3) A.
871 Group and Family Interventions. (3) A.
881 Advanced Children's Assessment. (3) A.
887 Independent Work in Psychology. (1-3) A.
888 Master's Research Project. (3) A.
890 Thesis Research. (1-6) A.
898A,B Internship/Co-op in School Psychology. (6) A.
899A,B Internship/Co-op in Clinical Psychology. (6) A.

DEPARTMENT OF

SOCIAL SCIENCE

K. R. Nelson, Chair; Biesinger, Campbell, Chase, Everman, Johnson, Klatte, L. M. Lewis, R. Lewis, Orchard, Roberts, Roitman, Stebbins, Webb.

The primary objective of the General Studies Social Science (GSS) program is to help students understand our contemporary world. In a sequence of four courses the program surveys the evolution of human societies, emphasizing the acceleration of social and cultural change toward a global system since the Industrial Revolution. The GSS program is interdisciplinary; students learn to interpret the present by using terms, concepts, and principles from the various social sciences to analyze the development of societies in an historical framework. The program focuses on the broad experience of all humankind, not on one period of time or on one country or region.

Students analyze the major stages of humankind's social and cultural evolution—that is, the change from a hunting to an agrarian to an industrial pattern of life. They examine when and how each great transformation occurred, the limitations and opportunities facing humankind at each stage, and the significant differences in the three patterns. Knowledge of the major stages and patterns gives students a framework for organizing significant facts about societies in general. Through this approach students become aware that many of the world's problems today originated in preindustrial times—that societies have attempted to apply preindustrial solutions to problems of the industrial age. The program helps students acquire the global outlook necessary for living in today's highly interdependent world.

Course Descriptions

GSS—Social Science

142 Introduction to Social Science. (3) I, II. Focuses on the emergence of humankind, the development of culture, and the causes of social and cultural change. Analyzes hunting societies in prehistoric times, the Agricultural Revolution, and the emergence of the first civilizations. Gen. Ed. 09.

246 Preindustrial World Civilizations. (3) I, II. Analyzes the pattern of agrarian civilizations by examining societies in India, China, the Middle East, and Europe. Explores why industrialism developed first in Europe. Credit will not be awarded to students who have credit for HIS 231. Gen. Ed. 10.

247 Industrialism in World Civilizations. (3) I, II. Investigates the Industrial Revolution and its spread in the 19th Century. Analyzes the pattern of industrialism in the 20th Century and the emerging global crisis. Credit will not be awarded to students who have credit for HIS 232. Gen. Ed. 11.

280 Selected Topics in Social Science: ____. (1-3) A. Prerequisite: three hours social or behavioral science. Explores one contemporary global issue including its historical background, present status, and likely future developments. May be retaken to a maximum of three hours if topics are different.

300 Global Challenge and Response. (3) I, II. Examines global issues which affect both Industrial and Third World nations today, such as the population explosion, environmental degradation, and the arms race. Emphasizes student discussion. Based on perspective developed in previous GSS courses. Gen. Ed. 12.

THE GRADUATE SCHOOL

VIRGINIA FALKENBERG, DEAN

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DEGREES AND PROGRAMS

The Graduate School, in cooperation with the Colleges of Allied Health and Nursing; Applied Arts and Technology; Arts and Humanities; Business; Education; Health, Physical Education, Recreation, and Athletics; Law Enforcement; Natural and Mathematical Sciences; and Social and Behavioral Sciences, offers the following degree programs and options:

College of Allied Health and Nursing

Master of Science degree
- Occupational Therapy

College of Applied Arts and Technology

Master of Science degree
- Community Nutrition
- Industrial Education
  - with options in: industrial training, technology education, and vocational administration
- Manufacturing Technology

College of Arts and Humanities

Master of Arts degree
- English

Master of Music degree
- with options in: choral conducting, performance, and theory/composition

College of Business

Master of Business Administration degree

College of Education

Master of Arts in Education degree
- Communication Disorders
- Counseling
  - with options in: elementary school and secondary school
- Elementary Education
  - with options in: early elementary education, general, middle grade education, and reading
- Library Science
  - with options in: elementary and secondary
- Secondary Education
  - with options in: agriculture, allied health sciences, art, biology, business education, chemistry, earth science, English, general science, geography, history, home economics, industrial education, mathematics, physical education, physics, political science, psychology, reading, and school health
- Special Education
  - with both teaching and non-teaching options in: hearing impaired, learning and behavior disorders, and trainable mentally handicapped
  - with a non-teaching only option in: early childhood

Master of Arts degree
- Community Counseling
- Student Personnel Services in Higher Education

Master of Music Education degree

Specialist in Education degree
- Administration and Supervision
- Physical Education
- Special Education
- Student Personnel Services in Higher Education
- Fifth and Sixth Year Certification for Teachers and School Service Personnel
- Administrator of Pupil Personnel Services
- Director of Special Education
- Elementary School and Secondary School Counseling
- Early Elementary School Principal
- Middle Grade School Principal
- School Business Administration
- School Psychology
- Secondary School Principal
- Superintendents
- Supervisors
- Teacher Certification

Joint Doctoral Program in Education
- (Joint Ed.D. programs are offered cooperatively with the University of Kentucky)

College of Health, Physical Education, Recreation, and Athletics

Master of Science degree
- Physical Education
  - with option in: sports administration
- Recreation and Park Administration

College of Law Enforcement

Master of Science degree
- Criminal Justice
  - with options in: corrections and juvenile services and police administration
- Loss Prevention and Safety

College of Natural and Mathematical Sciences

Master of Science degree
- Biology
  - with option in: ecology
- Chemistry
- Geology
- Mathematical Sciences
  - with options in: computer science, mathematics, and statistics
- Physics

Joint Doctoral Program
- (Joint Ph.D. program in Biology, General is offered cooperatively with the University of Kentucky)

College of Social and Behavioral Sciences

Master of Arts degree
- History
- Political Science

Master of Science degree
- Clinical Psychology
- Specialist in Psychology degree
- School Psychology

Master of Public Administration degree
- with options in: community development and community health administration

APPLICATION TO THE GRADUATE SCHOOL

Admission to the Graduate School at Eastern Kentucky University is based upon evidence that the applicant has already attained a certain minimal academic proficiency and will be able to pursue creditably a program of graduate study in a given field. Applicants must assume responsibility for filing complete admission data with the Office of the Graduate School including the following materials:

Application Form—Each student must submit a completed, signed application form with all requested information provided. An application form is available upon request from the Graduate School Office or can be found in the back of the Graduate Catalog. There is no application fee.

Transcripts—Two official copies of transcripts of all previous college/university credits showing all grades received and any degrees or certificates that have been awarded must be provided by each applicant. An official transcript must bear the seal and signature of the registrar from the sending institution. Graduates from all schools other than Eastern Kentucky University should contact their registrar(s) and request that official copies of their transcripts be forwarded directly to the Graduate School Office, Eastern Kentucky University, Coates Box 5-A, Richmond KY 40475-3101. Students seeking admission must be graduates of a fully accredited four year institution of higher learning authorized to grant the baccalaureate degree.

Graduate Record Examination—All applicants for admission to degree programs (except MBA) must submit satisfactory official score reports from the general section of the Graduate Record Examination (GRE) at the time of application for admission to graduate studies. Certain domestic students who have not had a prior opportunity to take the GRE may be admitted provisionally for one semester provided they take the test during their initial semester as a graduate student. Some programs require area scores in the subject field in addition to the general section of the exam. Students who are applying for a Master of Business Administration degree must provide official scores on the Graduate Management Admission Test (GMAT). Applications to take these exams must be sent to Educational Testing Service, CN 6000, Princeton, New Jersey 08541-6000. Application forms are available in the Graduate School Office. It is the student's responsibility to apply for and take the examination(s) and to have the official scores sent to the Dean of the Graduate School, Eastern Kentucky University, Coates Box 5-A, Richmond, KY 40475-3101.

Letters of Recommendation—Applicants for degree programs should solicit three letters of recommendation from previous teachers and request that they be mailed to the department offering the degree program as soon as possible. Certain programs may withhold admission until letters have been received. Please refer to program areas for specific requirements regarding letters of recommendation.

Application Deadlines—To provide adequate time for evaluating and processing applications for admission, some departments/colleges require materials to be submitted well in advance of the start of the academic term where attendance is planned. Please check with the department/college sponsoring the program in which you have interest to obtain information about application deadlines.

TYPES OF GRADUATE ADMISSION

After evaluation of an applicant's credentials by the appropriate department and by the Dean of the Graduate School, the applicant will be notified by letter from the Dean of the Graduate School that (1) admission has been granted under one of the categories listed below, or (2) admission has been denied, or (3) a decision has been deferred for reasons listed in the notice. An admission letter will be issued by the Dean of the Graduate School stating the conditions of admission and period of validity for the admission. An applicant who has not received an admission, denial, or deferral notice 48 hours prior to the beginning of the final regular registration period should contact, in person, the Graduate School Office for clarification.

In certain areas the University may need to limit the number of students accepted for graduate work if the number of applicants exceeds the capacity of available facilities/faculty.

Attendance in the Graduate School at Eastern Kentucky University is not a right. It is a privilege which may be withdrawn by the University or any area of graduate study if it is deemed necessary by the Dean of the Graduate School in order to safeguard the University's standards.

Clear Admission

Applicants who meet the requirements for both general admission to graduate degree study and for a particular program are eligible for clear admission. General requirements for clear admission are:

A. A baccalaureate degree from an accredited institution.
B. An overall undergraduate grade point average (UGPA) of 2.5 or of 2.75 (4.0 = A) on the last 60 semester hours of the baccalaureate program (all hours attempted in the semester in which the 60th hour occurs will be counted).
C. Satisfactory scores on the GRE (minimum 1000 verbal, quantitative, and analytic combined) or on an approved alternate examination.
D. Individual programs may have additional or higher criteria for clear admission.

Provisional Admission

An applicant unable to supply all of the required application materials prior to admission consideration, but who otherwise meets the admission requirements may be granted provisional admission upon the recommendation of the appropriate department and approval of the Dean of the Graduate School. Complete and satisfactory credentials must be received by the Graduate School Office before the end of the semester in which the student has registered in a provisional status. A student normally will not be permitted to enroll in the Graduate School with a provisional

status for more than one semester. Provisional admission does not guarantee, in any way, subsequent clear admission. International students may not be admitted on a provisional basis.

Probationary Admission

An applicant who does not meet conditions B. and/or C. of the admission requirements for clear admission but does show promise for successful graduate study may be granted probationary admission upon the recommendation of the appropriate department chair and approval of the appropriate college dean and the Dean of the Graduate School. Students must be removed from probationary admission prior to registering in any graduate course work beyond an initial 12 hours. No course work taken prior to the term of admission may be used on the degree program for students admitted on probationary admission. The minimum condition for transfer from probationary admission status to clear admission status is the successful completion of at least nine hours of graduate course work at Eastern Kentucky University while maintaining a graduate grade point average of at least 3.0 and with no more than one grade (regardless of the number of course credit hours) of "C" or lower. Special course requirements or other conditions may be imposed by the department, academic dean, and/or the Dean of the Graduate School. The Graduate School Office will inform the student of all conditions for consideration for clear admission at the time the student is granted probationary admission status. Since the transfer from a probationary admission status to a clear admission status requires the successful completion of graduate course work at Eastern, no student should attempt to take graduate course work for transfer from another school during the probationary admission period. A student admitted under probationary admission should not attempt any graduate course work graded pass/fail. Absolutely no more than 3 hours of pass/fail course work during the initial 12 hours will be allowed. A student in probationary status may not hold an assistantship or be admitted to candidacy for any graduate degree without first achieving clear admission status. International students may not be admitted on a probationary admission basis.

Non-Degree Admission

General Non-Degree Admission

An individual wishing to take graduate courses at Eastern Kentucky University for personal or professional development, but who does not plan to pursue a graduate degree program, may be admitted as a non-degree student with the approval of the Dean of the Graduate School. Non-degree students must hold a baccalaureate degree from an accredited institution and must have a minimum overall undergraduate grade point average of 2.0 (4.0 = A).

Certification Non-Degree Admission

An individual wishing to take graduate courses as a part of initial or additional certification programs, including Rank II and Rank I classification programs, is eligible for certification non-degree admission.

A former or currently enrolled certification or non-degree student who wants to apply for admission to a graduate degree program must submit a regular Graduate School Application for Admission and all supporting documents as listed in this *Catalog* under the section APPLICATION TO THE GRADUATE SCHOOL. Admission as a certification or general non-degree student does not guarantee subsequent clear admission into a graduate program or into the Graduate School. Graduate credit earned as a certification or general non-degree student may be applied to a degree program only when the student meets all the minimum admission requirements; is granted clear admission after initial application; and approval is granted by the appropriate department, the college dean, and the Graduate Dean. Normally, no more than nine semester hours of work earned as a certification or general non-degree student may be applied to a graduate degree. Only grades of "A" and "B" may be so applied, although a grade in any course taken as a certification or general non-degree student will be considered in computing a student's overall grade point average.

Visiting Student Admission

Because of its unique programs and facilities, faculty, diversified institutes, and workshops, Eastern is attractive to many students who have been previously admitted to other accredited graduate schools. In order for a visiting student to be officially enrolled for graduate credit at Eastern, the student must file an application form and submit an *official* Visiting Student Certificate. The Visiting Student Certificate must bear the seal of the Graduate School and the signature of the Graduate Dean where the student has been admitted. Copies of the visiting student forms may be obtained from the Graduate School Office.

Undergraduate Admission

An undergraduate student who needs nine or fewer credit hours in one semester (three or fewer credit hours in one summer session) to complete all of the requirements of a baccalaureate degree at an accredited institution may be allowed to register for graduate credit work under the conditions described below.

All work for undergraduate credit will be completed during that semester or summer session. The total registration for all work will not exceed 12 credit hours in a semester (six credit hours in a summer session). All work to be counted for graduate credit must be approved in advance of registration by the graduate program advisor, the student's undergraduate college dean, and the Dean of the Graduate School.

Approval forms for Undergraduate/Graduate Concurrent Enrollment may be obtained from the Graduate School Office. The student must make application to the Graduate School and meet all pertinent conditions for admission. Graduate credits earned must not be used to meet undergraduate requirements.

Undergraduate Honors Admission

An Eastern undergraduate student who needs 30 or fewer credit hours to complete all of the requirements of the baccalaureate degree may be considered for undergraduate honors admission to the Graduate School to enroll in graduate course work or be considered for special provisional admission to a graduate degree program. To be eligible for undergraduate honors admission, the student must have an overall undergraduate grade point average of at least 3.5 at the time of admission. The student must maintain an overall undergraduate grade point average of at least 3.5 and a graduate grade point average of at least 3.0 to continue in the honors program. Students who wish to be considered for provisional admission to a graduate degree program are advised to take the GRE during their junior year or during the first semester they hold undergraduate honors admission status. Students may earn a maximum of 12 graduate credit hours while holding undergraduate honors admission status. A maximum academic load of 15 hours during a regular fall or spring semester and of nine hours during the summer session is permissible when the student is concurrently enrolled in graduate and undergraduate level course work.

Application for undergraduate honors admission should be initiated by the student by completing an application to the Graduate School at least 30 days prior to requesting enrollment in any graduate classes. Undergraduate honors admission to the Graduate School must be supported by all appropriate advisors and college deans, as well as the Dean of the Graduate School.

Senior Citizens Admission

A senior citizen (65 years or older) who holds a bachelor's degree from an accredited institution may be granted special provisional admission to a degree program. Upon the completion of nine graduate credit hours with a minimum grade point average of 3.0, the student may be considered for clear admission to that degree program.

INTERNATIONAL STUDENT ADMISSION

International students who meet specific program requirements and for whom Eastern has appropriate programs at the graduate level are invited to make application. Such applications must be supported by satisfactory evidence of their qualifications to pursue a full course of study at this institution. Applications for admission of international students are not considered complete without *official* transcripts showing grades and degree(s) awarded, *official* Test of English as a Foreign Language (TOEFL) scores, *official* scores on the verbal, quantitative, and analytic portions of the Graduate Record Examination (GRE), Declaration and Certification of Finances, and three letters of recommendation. Students who are applying for a Master of Business Administration program must provide *official* scores on the Graduate Management Admission Test (GMAT). Each of these examinations is given in a large number of centers throughout the world. Specific information on center locations, test dates, fees, and application materials should be requested from Educational Testing Service, CN 6000, Princeton, New Jersey 08541-6000, U.S.A.

International students should apply several months in advance of their expected attendance date. Appropriate I-20 forms will be issued after all *official* credentials have been received and the completed application has been reviewed and approved by the major department. The U.S. Immigration and Naturalization Service requires certification that all standards for admission have been met before the I-20 form is issued. International students are required to complete their admissions procedures at least 30 days prior to the term in which they expect to enter.

GENERAL INFORMATION

Eligibility for admission to the Graduate School does not ensure admission to a specific graduate program. Some programs may have additional requirements beyond the university minimums. All students who intend to pursue a particular graduate program should refer to the specific program requirements listed in the college and/or department section of the *Graduate Catalog*.

All programs assume certain formal and informal prerequisites. Normally any deficiencies in preparation must be resolved during the first enrollment.

No student may receive graduate credit for a course without admission to the Graduate School.

Attendance in the Graduate School at Eastern Kentucky University is not a right. It is a privilege which may be withdrawn by the University or any area of graduate study if it is deemed necessary by the Dean of the Graduate School in order to safeguard the University's standards.

The Graduate School reserves the right to withdraw without credit or refund any student for whom application is incomplete at the end of the first enrollment.

SECOND MASTER'S DEGREE REQUIREMENTS

Students desiring to pursue a second Master's degree at Eastern Kentucky University shall have completed all requirements for the first Master's degree at Eastern or another accredited university. In general, the same basic requirements for general admission, admission to candidacy, and other conditions previously stated in the *Graduate Catalog* relative to the first Master's degree are also applicable to the second degree with the following exceptions:

1. A maximum of 12 semester hours of completed graduate work from the first Master's degree may be applied toward the second degree if such courses are within the seven year time limit, are appropriate for the second program, and are approved.
2. If the second Master's degree involves certification (e.g., the Master of Arts in Education degree), all requirements for the certificate must be met prior to admission to candidacy.

Candidates for a second Master's degree should file application for admission to Graduate School and identify their second program prior to registration for additional course work. The student should then contact the assigned advisor from the department offering the second program and plan a complete program of studies. Individual programs have specific requirements which must be met before pursuing a second Master's degree. Normally, any deficiencies in preparation for a second Master's degree must be resolved during the first enrollment.

SPECIALISTS DEGREE REQUIREMENTS

The University offers advanced graduate work leading to the Specialist in Education and Specialist in Psychology degrees. Beginning graduate students interested in two-year programs with special preparation for teaching or professional service opportunities in post-secondary technical school, junior, or senior colleges should seek early advisement in order to assure proper program development.

Candidates for the Specialist in Education degrees must possess an overall undergraduate grade point average of at least 2.5 and must offer an overall graduate grade point average of 3.3. Students should refer to the appropriate college/department section for specific admission and program requirements. Twelve hours of course work must be completed after admission to candidacy for the degree.

JOINT DOCTORAL PROGRAMS

Eastern Kentucky University, in cooperation with the University of Kentucky, offers joint doctoral programs in education and biology. Qualified graduate students who have completed their Master's programs at Eastern have an opportunity to continue with a joint doctoral program in these areas. The final doctoral degree is awarded by the University of Kentucky.

Admission to the program is considered by a joint screening committee selected from faculty representing the two institutions. The candidate may continue in residence at Eastern Kentucky University completing a maximum of 30 semester hours beyond the Master's degree prior to transfer to the University of Kentucky. Throughout the program term, the student shall be enrolled in both schools but will pay fees only to the resident University.

GRADUATE CATALOG

Additional information concerning the Graduate School at Eastern Kentucky University is available in the *Graduate Catalog*. A *Graduate Catalog* may be requested by writing the **Graduate School, Eastern Kentucky University, Coates Box 5-A, Richmond, KY 40475-3101.**

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Board Of Regents

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Teresa K. Snow, BA ..... Graphic Designer
..... Chief Engineer, WEKU-FM/WEKH
Glenn R. Wise ..... Television Technician
JON R. MAKI, BA, MS, PhD ..... Acting Director, Division of Natural Areas
Michael R. Brotzge, BS ..... Superintendent, Lilley Cornett Woods
Joseph A. Gambino, AA .. Food Service Supervisor, Maywoods
Homer L. Strong, BS ..... Manager, Maywoods Environmental Educational Laboratory
Robert T. Watts, AA ..... Assistant Superintendent, Lilley Cornett Woods
CHAD MIDDLETON, BS, MA ..... Director, Division of Physical Plant
Harold Denham, BBA, MA ..... Office Manager
Elder Goble ..... Assistant Director, Mechanical Services
Edward R. Herzog, BS ..... Assistant Director, Building Structures
Tom Richardson ..... Assistant Director, Housekeeping Services
David Williams, BS .... Assistant Director, Campus and Grounds
Harold Brown ..... Painting Supervisor
Troy Cornett ..... Academic and Service Buildings Custodial Supervisor
Ballard Denny ..... Carpentry Supervisor
James Frederick ..... Heat Plant Supervisor
Joe Hensley ..... Controls Technician
William David Hepburn, Jr. ..... Housing Administrator
David Kelley ..... Pest Control Supervisor
Roger Mattox ..... Electrical Supervisor
Harold Smith ..... Mechanical Supervisor
John Young, AS ..... Technical Specialist, Energy Management System
LUCIE J. NELSON, AB, MPA ..... Director, Division of Special Programs
Gale Moore, BBA ..... Assistant Director
Norma Bowling ..... Desktop Publisher
Diana Burdette, BS ..... Conference Planner
Myra Sue Carter ..... Graphics Specialist
Lynn Dee Garrett, BA ..... Program Coordinator
Eileen Lear, AS ..... Conference Planner
Mike Park, BBA ..... Conference Planner
Leigh Ann Sadler, BS ..... Special Interest Coordinator
Allison Willis, BS, MAEd ..... Conference Planner

MILITARY SCIENCE DEPARTMENT

LIEUTENANT COLONEL DAVID L. SHROUT (1992), Professor of Military Science, BS, Eastern Kentucky; MS, Florida Institute of Technology.
MAJOR DANIEL G. MALONE (1990), Assistant Professor of Military Science, AA, Dalton College; BA, Tennessee; MA, Webster.
MAJOR FRANK N. MORIN (1990), Assistant Professor of Military Science, BS, South Alabama.
CAPTAIN ROLAND P. CARINO (1992), Assistant Professor of Military Science, BS, Hawaii.
CAPTAIN RICK A. LEWIS (1989), Assistant Professor of Military Science, BS, Eastern Kentucky.
CAPTAIN CRAIG E. COWELL (1989), Assistant Professor of Military Science, BS, Eastern Kentucky.
SERGEANT MAJOR OLIVER COACHMAN, JR. (1992), Chief Instructor.
SERGEANT FIRST CLASS EDDIE G. CRABTREE (1991), Senior Instructor.
SERGEANT FIRST CLASS TUALUA MAAE, JR. (1992), Instructor.
STAFF SERGEANT RALPH W. REGISTER, JR. (1992), Instructor and Administrative Specialist Clerk.

FACULTY

ABNEY, WILLIAM M. (1976), Director, Development; Assistant Professor, Fire and Safety Engineering Technology. AA, BS, MS, Eastern Kentucky.

ABRAMS, ANNA F. (1972), Associate Professor, Nursing. RN; BSN, MSN, Kentucky.

ACKER, R. DEAN (1963), Director, Institutional Research; Professor, Education. BA, Wooster; MEd, EdD, Florida.

ADAMS, JACK L. (1962), Professor, Physical Education. BS, MA, Eastern Kentucky; EdD, Kentucky.

ADAMS, RICHARD R. (1984), Professor, Art. BA, Hobart; MFA, Indiana.

ADAMS, ROBERT M. (1979), Chair, Professor, Psychology. BA, MA, PhD, Tennessee.

ADAMS, WILLIAM G. (1966), Professor, Geography. BA, Stetson; MA, additional graduate work, Kentucky.

ADKINS, BERTEE (1975), Associate Professor, Administrative Communication and Services. BS, MA, Eastern Kentucky; EdD, Kentucky.

ADKINS, JUDY L. (1986), Assistant Professor, Home Economics Education; Laboratory School. BS, MS, Morehead State.

ALEXANDER, KIMBERLY A. (1986), Assistant Professor, Science Education; Laboratory School. BSE, MA, Northeast Missouri State.

ALLAMEH, E. JOY (1978), Assistant Professor, English. BS, Middle Tennessee; MA, Arkansas; PhD, Kentucky.

ALLEN, KATHRYN (1987), Assistant Professor, Occupational Therapy. OTR/L; BS, Mt. Mary; MS, Kentucky.

ALLEN, M. JANE (1982), Associate Professor, Social Work. BA, Mississippi College; MSW, Tulane.

ALLEN, MARY B. (1988), Assistant Professor, Mathematics; Laboratory School. BS, Berea College; MEd, Southern California.

AMBROSE, KELLY (1989), Instructor, Physical Education; Laboratory School. BA, Berea College; MS, Eastern Kentucky.

ANDERSEN, CATHY M. (1986), Assistant Professor, Health Information. RRA; BA, Bemidji State; MPH, Texas.

ANDERSON, JOY (1978), Chair, Professor, Occupational Therapy. OTR/L; BA, David Lipscomb; post-baccalaureate certificate, Texas Woman's; MA, Western Michigan.

ARNOLD, MELBA J. (1991), Assistant Professor, Occupational Therapy. OTR/L; BS, Northeast Louisiana; MS, Boston.

ASKINS, C. JEANETTE (1991), Assistant Professor, Physical Education. BS, Louisville; MA, Western Kentucky; PhD, Florida State.

ATLER, KAREN (1992), Assistant Professor, Occupational Therapy. OTR/L; BS, MS, Colorado State.

BAECHTOLD, SHIRLEY (1978), Assistant Professor, English. BA, MA, Eastern Kentucky; additional graduate work, Eastern Kentucky, Indiana.

BAGGOTT, VICKEY (1988), Librarian IV, Libraries. BA, Stetson; MLS, East Carolina; MLS, Southern Mississippi.

BAKER, ELIZABETH (1969), Assistant Professor, Libraries. BA, MA, Ohio; BM, Eastman School of Music; additional graduate work, Eastern Kentucky.

BALL, JUDITH K. (1980), Assistant Professor, Libraries. BA, Berea College; MSLS, Kentucky; additional graduate work, Eastern Kentucky.

BANKS, ALAN J. (1981), Professor, Sociology. BS, Indiana State; MA, PhD, McMaster.

BARKLEY, DWIGHT G. (1968), Professor, Agriculture. BS, Pennsylvania State; MS, PhD, Virginia Polytechnic.

BARKSDALE, M. KENDALL (1969), Assistant Professor, Libraries. BS, Eastern Kentucky; MSLS, additional graduate work, Kentucky.

BARNETT, DARRYL (1991), Assistant Professor, Environmental Health Science. BS, East Tennessee State; MPH, DPH, Oklahoma (Health Sciences Center).

BARR, DIXON A. (1961), Professor, Education. BS, Ball State; MA, EdD, Columbia.

BARTON, ROBERT M. (1976), Athletic Trainer; Professor, Physical Education. AB, Kentucky; MS, Marshall; DA, Middle Tennessee.

BATCH, DONALD L. (1965), Dean, College of Natural and Mathematical Sciences; Professor, Biology. BS, Illinois College; MS, PhD, Illinois.

BATTS, JAMES W. (1988), Assistant Professor, Psychology. BS, MS, Eastern Kentucky; MEd, PhD, Kentucky.

BAUGH, CAROL (1978), Professor, Nursing. RN; BSN, Eastern Kentucky; MSN, DNS, Indiana.

BAUGH, ROBERT J. (1970), Dean, College of Health, Physical Education, Recreation, and Athletics; Protessor, Health Education. BS, MS, HSD, Indiana.

BAUM, KAREN H. (1988), Assistant Professor, Physical Education; Laboratory School. BS, MA, Eastern Kentucky.

BEAL, DONALD G. (1987), Associate Professor, Psychology. BA, Arizona; PhD, Texas Tech.

BEARDSLEY, THOMAS B. (1970), Associate Professor, Educational Psychology and Counseling. BS, Southeast Missouri; MEd, Missouri; EdD, Mississippi; additional graduate work, Southern Illinois.

BEDETTI, GABRIELLA (1981), Associate Professor, English. BA, Bates; MA, PhD, Iowa.

BEELER, C. ALAN (1970), Professor, Music. BM, Illinois Wesleyan; MA, PhD, Washington.

BEGLEY, JOYCE (1983), Assistant Professor, Nursing. RN; BSN, Berea College; MA, Union; MSN, Tennessee.

BELKNAP, LARRY K. (1989), Chair, Associate Professor, Recreation and Park Administration. BA, Morris Harvey; MS, Marshall; ReD, Indiana.

BENDALL, VICTOR I. (1966), Professor, Chemistry. BS, ARCS Imperial (England); MS, Bucknell; PhD, Brown.

BENNETT, HELEN (1981), Associate Professor, English. BA, Queens; PhD, Brown.

BENSON, RICHARD L. (1969), Professor, Speech and Theatre Arts. BA, California (Los Angeles); MA, PhD, Illinois.

BENZING, LYNNE (PENNY) (1983), Associate Professor, Occupational Therapy. OTR/L; BS, Ohio State; MA, South Florida.

BETTLER, ALAN R. (1970), Associate Professor, French. AB, MA, PhD, Indiana.

BICKUM, GILBERT (1987), Assistant Professor, Finance. BSME, Tufts; MBA, Northern Florida; PhD, Florida.

BIESINGER, JOSEPH A. (1966), Professor, Social Science. BS, MA, Loyola (Chicago); PhD, Rutgers.

BLACK, GILES T. (1969), University Counsel; Professor, Police Studies. BS, Jacksonville State; MA, Western Kentucky; JD, Kentucky.

BLACK, STEPHEN A. (1978), Associate Professor, Agriculture. BS, MS, MS, Louisiana State; PhD, Tennessee..

BLACKWELL, MARGARITA C. (1974), Assistant Professor, Human Environmental Sciences. BS, MS, Alabama; additional graduate work, Alabama, Eastern Kentucky.

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BLAKENEY, ANNE (1984), Associate Professor, Occupational Therapy. OTR/L; BS, Tennessee; MSOT, Boston; additional graduate work, Kentucky.

BLAKENEY, MICHAEL (1989), Instructor, Medical Services Technology. RN; EMT; BS, Louisiana State; BSN, Eastern Kentucky; MSN, Kentucky.

BLANCHARD, PAUL D. (1970), Professor, Political Science. BA, Michigan; MS, Southern Illinois; PhD, Kentucky.

BLAND, PAUL E. (1969), Professor, Mathematics. BA, MA, West Virginia; PhD, South Carolina.

BLANKENSHIP, JOSEPH U. (1977), Assistant Football Coach; Assistant Professor, Health Education. BS, MA, Eastern Kentucky; additional graduate work, Murray, Western Kentucky, Eastern Kentucky.

BLYTHE, JR., HAROLD R. (1972), Professor, English. BA, Kentucky Southern; MA, Florida; PhD, Louisville.

BODLEY, DONALD E. (1975), Director, Institute of Real Estate Studies; Chairholder, Professor, Real Estate. BA, MA, Eastern Michigan.

BOEWE, JOAN-LORNA (1970), Professor, Music. BM, MM, Michigan State; additional graduate work, Hochschule fur Musik (Munich, Germany).

BOLLING, JULIEN HOPE (1972), Associate Professor, Special Education. BS, East Tennessee; MA, Kentucky; EdD, Kentucky.

BONAR, BRUCE D. (1977), Director, Laboratory School; Professor, Social Science Education; Laboratory School. AB, West Liberty State (WV); MA, EdD, West Virginia.

BOORD-DILL, THOMAS JEFFREY (1985), Assistant Professor, Speech and Theatre Arts. BA, Ohio State; MFA, Alabama.

BOTTS, THERESA M. (1989), Assistant Professor, Psychology. BS, MS, Eastern Kentucky; additional graduate work, Kentucky.

BOYD, URSEL D. (1967), Professor, German. JD, Washington; MA, PhD, Maryland.

BRADFORD, MARY (1984), Assistant Professor, Nursing. RN; FNP; BSN, Northern Illinois; MSN, Kentucky.

BRANSON, BRANLEY A. (1965), Professor, Biology. AB, Oklahoma A&M; BS, MS, PhD, Oklahoma State.

BRASHEAR, DIANA (1978), Assistant Professor, Nursing. RN; BSN, MSN, Kentucky.

BREKKEN, TODD (1986), Assistant Professor, Medical Services Technology. REMT-P; BS, Mankato State; MS, Osteopathic Medicine and Health Sciences.

BREWER, PEGGY D. (1980), Professor, Management. BS, Morehead; MA, Murray; DBA, Louisiana Tech.

BREWER, VIRGIL L. (1980), Chair, Finance and Business Systems; Professor, Finance. BS, Kentucky; MBA, Marshall; DBA, Texas Tech.

BRIGHT, MICHAEL H. (1969), Professor, English. AB, Washington and Lee; PhD, Tulane.

BRITT, DANNY G. (1975), Chair, Professor, Agriculture. BS, Western Kentucky; MS, PhD, Michigan State.

BROCK, JR., ALLEN C. (1960), Associate Professor, English. BS(Ed), MEd, Georgia.

BROCK, MARTIN L. (1990), Assistant Professor, Chemistry. BA, California (San Diego); PhD, Illinois; post doctoral work, Imperial (London), Southern CA.

BROMLEY, RICHARD H. (1974), Professor, Music. BM, Lawrence; MM, American Conservatory of Music; DMA, Colorado.

BROOKER, RICHARD A. (1977), Professor, Construction Technology. AA, Ft. Scott; BS, Kansas (Pittsburg); MS, Kansas (Emporia); EdD, Arkansas.

BROOKS, ANNE P. (1972), Chair, Professor, Humanities. BS, East Carolina; MAT, Duke; PhD, Florida State.

BROOKS, JAMES F. (1968), Associate Professor, Mathematical Sciences. BS, MS, Florida State; PhD, Kentucky; additional graduate work, Wayne State.

BROSI, GEORGE R. (1992), Visiting Instructor, English. BA, Carleton College; MA, Western Carolina.

BROWN, DEBRA B. (1988), Assistant Professor, Elementary Education; Laboratory School. BS, MA, Eastern Kentucky.

BROWN, HARRY N. (1970), Professor, English. AB, Davidson; MA, Appalachian State; PhD, Ohio.

BROWN, JULIE (1991), Instructor, Medical Services Technology. RN; BSN, Eastern Kentucky.

BROWN, STEPHEN M. (1988), Professor, Management. BS, Illinois; MS, Southern Illinois; PhD, Georgia.

BROWN, TOMMY R. (1970), Assistant Professor, Technology. BS, MS, Eastern Kentucky; additional graduate work, Kentucky, Eastern Kentucky.

BROWN-DAVIS, MARY (1987), Assistant Professor, Nursing. RN; ASN, Lexington Technical Institute; BSN, MSN, Kentucky.

BROWNE, WILLIAM A. (1975), Professor, Traffic Safety. AB, Catawba; MA, PhD, Michigan State.

BRUBAKER, ROBERT G. (1984), Professor, Psychology. BA, Oklahoma City; MA, Indiana State; PhD, South Florida.

BURKHART, JOHN D. (1972), Associate Professor, Human Environmental Sciences. AB, St. Charles Barrameo; MA, PhD, Ohio State.

BURKHART, ROBERT E. (1967), Professor, English. BBA, MA, Pittsburgh; PhD, Cincinnati.

BURNHAM, J. DOUGLAS (1975), Professor, Social Work. BA, Montevallo; MSW, Alabama.

BUSKIRK, ROBERT D. (1992), Assistant Professor, Mathematical Sciences. BA, West Virginia; MA, PhD, Kentucky.

BUSSON, TERRY L. (1980), Professor, Political Science. BA, MA, PhD, Kent State.

BUTTS, LAURA N. (1992), Assistant Professor, Human Environmental Sciences. BS, Massachusetts; MS, Southern California; additional graduate work, Utah State.

BYERS, RICHARD (1991), Instructor, Medical Services Technology. RN; BSN, Eastern Kentucky.

BYRD, SUZANNE (1991), Assistant Professor, Biology. BS, Austin Peay; BS, PhD, South Alabama.

BYRNE, ROBERT L. (1965), Director, Educational Research and Evaluation; Professor, Elementary Education. BSEd, Ohio; MEd, Kent State; EdD, George Peabody.

BYRNE, SHIRLEY M. (1980), Professor, Elementary Education. BSEd, Ohio; MSEd, Massachusetts; EdD, Kentucky.

CAIN, DONALD R. (1981), Professor, Mass Communications. BS, Auburn; MS, Wisconsin; PhD, Michigan State.

CAIN, JAMES E. (1986), Associate Professor, Accounting. BS, Central Missouri State; MBA, DBA, Oklahoma; CPA, Oklahoma.

CAIN, KAREN S. (1985), Assistant Professor, Mathematical Sciences. AB, Berea College; MA, Eastern Kentucky; additional graduate work, Kentucky, Grambling.

CALDWELL, ELAINE C. (1979), Associate Professor, Health Information. RRA; BA, Mount Marty; MA, North Dakota.

CALIE, PATRICK J. (1992), Assistant Professor, Biology. BS, Rutgers; MS, PhD, Tennessee.

CALITRI, DONALD L. (1976), Chair, Professor, Health Education. BS, MA, Union; additional graduate work, Indiana; EdD, Alabama.

CALKIN, GERALD F. (1972), Professor, Physics. AB, Wooster; MS, Ohio; MS, PhD, Massachusetts.

CAMARATA, KAREN M. (1990), Assistant Professor, Health Education. AA, Oakland Community; BS, MPH, Michigan; additional graduate work, Eastern Kentucky, Kentucky.

CAMPBELL, GEORGE E. (1972), Associate Professor, Social Science. BS, MA, PhD, Georgia.

CAMPBELL, PHILIP (1985), Associate Professor, Clinical Laboratory Science. MT(ASCP); BS, West Virginia; MS, Kentucky.

CANNON, DEAN C. (1978), Professor, Mass Communications. BS, MS, Indiana State; PhD, Ohio State.

CARMEAN, KELLI C. (1993), Assistant Professor, Anthropology. BA, Victoria (Canada); PhD, Pittsburgh.

CARR, DONALD E. (1982), Associate Professor, Computer Information Systems. BS, MS, California (Davis).

CARR, GLORIA T. (1972), Assistant Professor, Special Education. BS, MAEd, Eastern Kentucky; additional graduate work, Kentucky.

CARTER, DOROTHY A. (1964), Associate Professor, French. BA, MA, PhD, Kentucky.

CARTER, KIM (1987), Assistant Professor, Middle School Language Arts; Laboratory School. BA, MA, Eastern Kentucky.

CASEY, VERNA (1970), Assistant Professor, Libraries. BA, Eastern Kentucky; MS, Kentucky; additional graduate work, Eastern Kentucky.

CHAPMAN, ANN D. (1989), Associate Professor, Educational Psychology and Counseling. BA, Agnes Scott; MA, Indiana; EdS, PhD, Kentucky.

CHASE, LAWRENCE J. (1970), Professor, Social Science. AB, LaSalle; MA, Duquesne; PhD, Notre Dame.

CHASTAIN, GARY K. (1966), Professor, Technology. BS, MS, Indiana State; EdD, Missouri.

CHEN, RICHARD (1989), Associate Professor, Accounting. BBA, National Taiwan; MBA, PhD, Texas; CPA, Texas.

CHRIETZBERG, AGNES L. (1973), Professor, Physical Education. BS, Georgia; MS, PhD, Florida State.

CIVEY III, GEORGE A. (1975), Assistant Professor, Art. BA, Transylvania; MA, Iowa; additional graduate work, North Carolina.

CLARK, ROSS C. (1992), Chair, Biological Sciences; Professor, Biology. BA, South (Sewanee); MS, PhD, North Carolina.

CLAWSON, KENNETH T. (1968), Professor, Education. BS, MA, Appalachian State; PhD, Florida State.

CLAY, GENEVIEVE (1966), Assistant Professor, Libraries. BA, Rhodes College; BA, Eastern Kentucky; MSLS, Kentucky.

CLEMENT, CATHERINE R. (1989), Assistant Professor, Psychology. AB, California (Berkley); MA, PhD, Clark.

CLEWETT, JR., RICHARD M. (1969), Professor, English. BA, MA, PhD, Chicago.

CLIFTON, EVA JEAN (1986), Assistant Athletic Trainer; Assistant Professor, Physical Education. BS, Oregon State; MAEd, additional graduate work, Eastern Kentucky.

COE, STEPHEN H. (1966), Associate Professor, History. BA, Brown; MA, PhD, American.

COLLINS, DAVID (1990), Assistant Professor, Accounting. BA, MA, South Florida; PhD, Georgia State; CPA, Florida.

COLLINS, JANET (1971), Director, Continuing Education and Special Programs; Associate Professor, Nursing. RN; BSN, MSN, Kentucky; DSN, Alabama (Birmingham).

COLLINS, LARRY R. (1990), Associate Professor, Fire and Safety Engineering Technology. AS, Allegheny; BS, MEd, California (U PA); additional graduate work, West Virginia.

COLLINS, PAMELA A. (1986), Chair, Associate Professor, Loss Prevention and Safety. BS, MS, Eastern Kentucky; EdD, Kentucky.

COMBS, MARTHA L. (1968), Assistant Professor, English Education; Laboratory School. AB, AM, Morehead; additional graduate work, Eastern Kentucky.

COOK, JERRY D. (1983), Professor, Physics. BA, Berea College; MS, PhD, Kentucky.

CORDNER, GARY W. (1987), Graduate Coordinator, Professor, Police Studies. BS, Northeastern; MS, PhD, Michigan State.

CORE, DEBORAH L. (1982), Professor, English. BA, Bethany; MA, Marshall; PhD, Kent State.

COSTELLO, PATRICIA S. (1982), Associate Professor, Statistics. BA, Thomas More; MS, PhD, Ohio State.

COSTELLO, PATRICK J. (1982), Associate Professor, Mathematical Sciences. BS, Harvey Mudd; MS, PhD, Ohio State.

COURTNEY, DARIA P. (1992), Assistant Professor, Educational Psychology and Counseling. BA, McGill; MA, East Carolina; PhD, North Carolina.

COWAN, MARY K. (1989), Associate Professor, Occupational Therapy. OTR/L; BS, MA, additional graduate work, Minnesota.

COWELL, HOLLY V. (1974) Assistant Professor, Clinical Laboratory Science. MT(ASCP); BSMT, North Carolina (Greensboro); MS, Temple.

COX, TERRY C. (1978), Professor, Police Studies. BS, MS, PhD, Akron.

CRABB, GEORGE (1964), Assistant Professor, Libraries. BA, Rhodes College; MAT, Vanderbilt; MSLS, Peabody College (Tennessee).

CRAFT, CLYDE O. (1967), Chair, Professor, Technology. BS, MA, Eastern Kentucky; EdD, Texas A&M.

CREEK, JOYCE (1972), Assistant Professor, Libraries. BS, East Tennessee State; MA, EdS, Eastern Kentucky.

CREEK, ROBERT O. (1970), Professor, Biology. BS, MS, West Virginia; PhD, Arkansas.

CREIGHTON, PETER (1990), Assistant Professor, Environmental Health Science. BS, Newark; MS, Colorado School of Mines; PhD, Rutgers.

CREMEENS, JUDITH (1983), Associate Professor, Medical Services Technology. RN; REMT-P; BSN, Lewis (IL); MAEd, Eastern Kentucky.

CROCKETT, JEANNETTE W. (1966), Dean, Student Life; Assistant Professor, Education. BS, MA, Eastern Kentucky; additional graduate work, Indiana.

CROSBY, RICHARD (1986), Assistant Professor, Music. BME, MM, DMA, Cincinnati.

CULROSS, JACK L. (1970), Dean, Academic Support and Undergraduate Studies; Professor, English. BS, Spring Hill; MA, PhD, Louisiana State.

CULROSS, TERRELL O. (1976), Assistant Professor, English. BS, Louisiana State; MA, additional graduate work, Eastern Kentucky.

CUNNINGHAM, JUDITH A. (1972), Associate Professor, English Education. AB, Murray; MA, EdD, Ball State.

CUNNINGHAM, ROBERT (1991), Instructor, Occupational Therapy. OTR/L; BS, North Dakota; MS, Eastern Kentucky.

CUPP, JR., PAUL V. (1974), Professor, Biology. BS, MS, Eastern Kentucky; PhD, Clemson.

CURRA, JOHN O. (1975), Professor, Sociology. BA, MA, San Diego State; PhD, Purdue.

CYRUS, STEPHEN M. (1992), Visiting Instructor, Mathematics; Laboratory School. BS, Morehead.

DAILEY, DAVID W. (1989), Assistant Professor, Technology. BS, MEd, EdS, Clemson.

DANIEL, NANCY S. (1969), Assistant Professor, Elementary Education; Laboratory School. BS, MAEd, Eastern Kentucky; additional graduate work, Tennessee, Eastern Kentucky.

DAPKUS, KATHY H. (1989), Instructor, Supervisor, Special Education. BS, MAEd, Eastern Kentucky.

DAUGHERTY, HAYWARD (1970), Dean, Student Services; Assistant Professor, School and Public Health. BS, MA, Eastern Kentucky; EdD, Indiana.

DAUGHERTY, VICKI R. (1970), Assistant Professor, Elementary Education; Laboratory School. BS, MAEd, Eastern Kentucky.

DAVIDSON, JOHN E. (1965), Professor, Chemistry. BS, MS, PhD, Tennessee.

DAVIG, ANGELA (1991), Librarian IV, Libraries. BS, MS, Rio; MSLS, Kentucky.

DAVIG, WILLIAM A. (1984), Associate Professor, Management. BS, Houston; PhD, Northwestern.

DAVIS, LONNIE J. (1990), Chair, Professor, Physical Education. BA, Morehead State; MS, Indiana; PhD, Louisiana State.

DAVIS, NANCYE (1992), Visiting Instructor, Medical Services Technology. RN; BSN, Kentucky; MSN, Bellarmine College.

DAVIS, RITA R. (1982), Associate Professor, Administrative Communication and Services. BA, MA, Georgetown; EdD, Kentucky.

DAVIS, SYLVIA C. (1965), Professor, German. BA, Kentucky; MA, PhD, Cincinnati.

DAVIS, TRICIA L. (1992), Visiting Instructor, English. BA, MA, Eastern Kentucky.

DAVIS, WILLIAM E. (1979), Associate Professor, Technology. BS, MA, MS, Eastern Kentucky; EdD, Cincinnati.

DEAN, CLAUDE S. (1986), Associate Professor, Geology. SB, Massachusetts Institute of Technology; AM, PhD, Harvard.

DEAN, MARGARET (1988), Director, Writing/Reading Center; Instructor, English. AB, Radcliffe; MA, Colorado.

DEAN, RONALD E. (1974), Associate Professor, Political Science. BA, Emory and Henry; MA, PhD, Tennessee.

DEANE, JR., DANIEL R. (1962), Professor, Art Education. AB, MAEd, Kentucky; MFA, Northern Illinois; additional graduate work, Eastern Kentucky, Kentucky.

DEANE, SHIRLEY P. (1970), Assistant Professor, Curriculum and Instruction. AB, MSLS, Kentucky; additional graduate work, Kentucky, Northern Illinois, Eastern Kentucky.

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DENHAM, GAYLE (1991), Assistant Professor, Nursing. RN; BSN, Eastern Kentucky; MSN, Kentucky; additional graduate work, Tennessee.

DENTON, JOHN A. (1974), Professor, Sociology. BS, MA, Tennessee; PhD, Tulane.

DEWEY, DONALD L. (1970), Professor, Art. AB, MFA, Indiana.

DEWEY, MARY ANNE (1977), Assistant Professor, Libraries. AB, MLS, Indiana; additional graduate work, Kentucky, Eastern Kentucky.

DICKEY, JOANNA PATERNO (1980), Professor, Elementary Education. BS, Cleveland State; MSEd, Indiana; PhD, Ball State.

DICKEY, STEVEN W. (1983), Associate Professor, Economics. BA, Sciences and Arts of Oklahoma; MA, PhD, Southern Illinois.

DILKA, KAREN L. (1989), Associate Professor, Special Education. BA, MA, Northern Colorado; PhD, Arizona.

DIMITROV, JERRY (1970), Assistant Professor, Libraries. BA, Eastern Kentucky; MLS, Kentucky.

DOAK, J. LINWARD (1971), Professor, Educational Psychology and Counseling. BA, Carson-Newman; MA, EdD, Georgia.

DOBNER, BEVERLY A. (1976), Assistant Professor, Nursing. RN; BSN, MSN, Kentucky.

DUNCAN, DAN J. (1981), Professor, Music. BME, Northwestern; MME, Wichita State; DME, Indiana.

DUNSTON, AINGRED G. (1989), Assistant Professor, History. BA, Livingston; MA, North Carolina; PhD, Duke.

DYER, JACK L. (1989), Associate Professor, Accounting. BS, MBA, Indiana State; DBA, Kentucky; CPA, Indiana, Kentucky.

EDENS, JANET (1991), Assistant Professor, Nursing. RN; BA, Lincoln Memorial; BSN, Tennessee; MSN, Missouri.

EDWARDS, REBECCA B. (1972), Assistant Professor, Business Administration. BA, Illinois; JD, Kentucky.

EDWARDS, ROSALEE (1973), Assistant Professor, Business Education; Laboratory School. AB, MA, EdD, Kentucky.

EISENSMITH, KEVIN (1990), Assistant Professor, Music. BS, Indiana (U PA); MM, Georgia State.

ELDOT, HOWARD L. (1970), Associate Professor, Special Education. BEd, Miami (FL); MS, Syracuse; PhD, Indiana.

ELIAS, DAVID R. (1989), Assistant Professor, English. BA, California; MA, Rutgers; PhD, Stanford.

ELLIOTT, CHARLES L. (1985), Professor, Biology. BS, Frostburg State; BS, Idaho; MS, Brigham Young; PhD, Alaska.

ELLIS, WILLIAM E. (1970), Director, Oral History Center; Professor, History. BA, Georgetown; MA, Eastern Kentucky; PhD, Kentucky.

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ENGLE, JR., FRED A. (1959), Professor, Economics. BA, Eastern Kentucky; MBA, EdD, Kentucky.

ENZIE, RUSSELL F. (1974), Associate Vice President for Academic Affairs; Professor, Psychology. BS, Abilene Christian; MS, PhD, Oklahoma.

EVERETT, MAUREEN W. (1980), Assistant Professor, Mass Communications. BA, MA, Delaware; PhD, Kentucky.

EVERMAN, HENRY E. (1970), Professor, Social Science. AB, Kentucky; MA, PhD, Louisiana State.

EWERS, RALPH O. (1981), Professor, Geology. BS, MS, Cincinnati; PhD, McMaster (Canada).

FALKENBERG, STEVEN D. (1974), Professor, Psychology. BA, MA, PhD, Baylor.

FALKENBERG, VIRGINIA P. (1973), Dean, Graduate Studies and Research; Associate Professor, Psychology. BS, MS, East Texas State; PhD, Baylor.

FARDO, STEPHEN W. (1972), Professor, Technology. BS, MA, Spec Tech, Eastern Kentucky; EdD, Kentucky.

FARRAR, STEWART S. (1985), Professor, Geology. BS, Syracuse; PhD, SUNY (Binghamton).

FARRAR, WILLIAM W. (1976), Professor, Biology. BS, Samford; MS, Medical College of Virginia; PhD, Virginia Polytechnic Institute.

FAUGHN, JERRY S. (1968), Chair, Physics and Astronomy; Professor, Physics. BS, Murray State; MS, Kentucky; PhD, Mississippi.

FELTNER, DONALD R. (1956), Vice President, University Relations and Development; Assistant Professor, Journalism. BS, MA, Eastern Kentucky; additional graduate work, Kentucky.

FELTUS, OLIVER (1991), Assistant Professor, Accounting. BBA, MS, Memphis State; PhD, Alabama; CPA, Tennessee.

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FIELDS, DAVID (1986), Associate Professor, Computer Science. AB, West Virginia; MS, Clemson; MS, PhD, Florida State.

FISTER, SUSAN (1988), Assistant Professor, Nursing. RN; ASN, Midway; BSN, MSN, Kentucky; additional graduate work, Kentucky.

FLAHERTY, PEGGY (1976), Assistant Professor, Libraries. AB, Kentucky; MLS, George Peabody; MA, Eastern Kentucky.

FLANAGAN, JOHN L. (1976), Assistant Professor, Psychology. BA, Minnesota; MA, Texas; PhD, Missouri.

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WONG, KA-WING (1990), Assistant Professor, Computer Science. BS, MS, Middle Tennessee; PhD, Kansas State.

WOODS, PATRICIA (1989), Assistant Professor, Nursing. RN; BSN, Eastern Kentucky; MSN, Kentucky; additional graduate work, Kentucky.

WOOLVERTON, DAVID O. (1991), Assistant Professor, Mass Communications. BS, Florida; MA, Miami; additional graduate work, Eastern Kentucky.

WOOTON, WANDA (1975), Assistant Professor, Nursing. RN; BSN, Berea College; MA, Eastern Kentucky.

WOWK, VITALY (1976), Associate Professor, Russian. BA, Mississippi State; MA, PhD, Ohio State.

WRAY, LINDA (1983), Assistant Professor, Nursing. RN; BS, Lenior-Rhyne; MSN, North Carolina (Greensboro).

WRIGHT, J. WARD (1983), Professor, Management. BA, JD, Chicago; MPA, DPA, Southern California.

WRIGHT III, NEIL H. (1983), Acting Director, International Education; Associate Professor, Humanities. BA, MA, Middle Tennessee; PhD, Florida State.

WRIGHT, VIRGINIA B. (1982), Professor, Economics. BA, Kansas State; PhD, George Washington.

WUILLEUMIER, RUDOLPH B. (1971), Assistant Professor, Economics. BS, Eastern Kentucky; additional graduate work, Kentucky.

YANG, BIWU (1991), Assistant Professor, Technology. BE, Shanghai; MS, PhD, Rhode Island.

YANG, CAROLYN (1989), Assistant Professor, Nursing. RN, C; BSN, Spalding; MSN, St. Louis.

YONTS, LINDA (1988), Assistant Professor, Nursing. RN; BSN, Eastern Kentucky; MSN, Kentucky.

YUEN, HON KEUNG (1993), Instructor, Occupational Therapy. OTR/L; BS, Queensland; MS, Western Michigan.

ZURICK, DAVID N. (1987), Associate Professor, Geography. BA, MS, Michigan State; PhD, Hawaii.

RETIRED FACULTY

MARTIN, ROBERT R. AB, MA, EdD, LLD, 1960 - 1976, President Emeritus.
ALFORD, JAMES D. BS, MBA, 1969 - 1993, Associate Professor of Finance.
ALGIER, ANN S. BA, MA, EdS, 1966 - 1989, Associate Professor of English.
ALGIER, KEITH M. BA, MA, PhD, 1965 - 1989, Professor of History.
ALLEN, JAMES HOWARD AB, MA, PED, 1969 - 1991, Associate Professor of Education; Dean, Student Development.
AMBROSE, CHARLES F. AB, MA, EdD, 1961 - 1983, Professor of Education; Director, Division of Admissions and School Relations; Dean of Admissions.
BAECHTOLD, JAMES E. BS, MS, 1957 - 1992, Associate Professor of Recreation.
BAGBY, ROBERT E. BA, MEd, PhD, 1972 - 1992, Professor of Police Studies.
BARLOW, L. L. BA, MA, BD, EdD, 1968 - 1986, Professor of Social Science.
BERGE, MARION MALONE RN, CMA, BS, MA, 1962 - 1991, Associate Professor of Medical Services Technology.
BERGE, WILLIAM H. AB, MA, PhD, 1961 - 1991, Professor of History.
BLACKWELL, F. ORIS BS, MS, MPH, DrPH, 1982 - 1990, Professor of Environmental Health Science.
BOGARD, RICHARD M. BS, MA, 1977 - 1990, Assistant Professor of Fire and Safety Engineering Technology.
BOGUE, RUSSELL L. BA, ME, EdD, 1979 - 1987, Professor of Physical Education.
BOHON, NANCY E. HARP BA, MRE, PhD, 1975 - 1986, Professor of Elementary Education.
BOYD, COLLIN J. BS, MA, 1967 - 1976, Assistant Professor of Social Science.
BREWER, EMERY AB, MA, PhD, 1968 - 1984, Professor of Educational Foundations.
BRIZENDINE, FRED W. AB, MA, 1963 - 1984, Assistant Professor of Economics.
BROWN, GEORGE M. BS, MS, 1963 - 1989, Associate Professor of Industrial Education and Technology.
BUCHHOLZ, VEVA A. BSEd, MS, 1959 - 1973, Associate Professor of Home Economics.
BUSH, HERMAN S. AB, MA, HSDir, HSD, 1970 - 1988, Professor of Health Education.
BYRD, HUGH M. BA, MS, 1968 - 1979, Professor of Police Administration.
BYRN, ERNEST E. BS, PhD, 1966 - 1986, Professor of Chemistry.
CALLENDER, JACK T. AB, MA, 1965 - 1979, Assistant Professor of English.
CALVERT, CHRISTINE BS, MS, PhD, 1969 - 1984, Professor of Home Economics.
CAREY, GLENN O. AB, MA, PhD, 1967 - 1986, Professor of English.
CARFIELD, WILLIAM E. BS, MA, 1973 - 1986, Associate Professor of Security and Loss Prevention.
CARR, ELIZABETH R. AB, MAEd, 1971 - 1987, Assistant Professor of Mathematics Education.
CASTLE, ELIZABETH S. AA, AB, BSLS, 1967 - 1978, Assistant Professor of Library Science.
CHASE, ANN M. BS, MS, PhD, 1965 - 1980, Professor of Home Economics.
CHASE, FRANK R. AB, BSLS, 1965 - 1980, Assistant Professor of Library Science.
CHISHOLM, JOHN H. BEd, MEd, 1964 - 1981, Assistant Professor of Elementary Education.
CHRISMAN, RICHARD G. BA, BA, JD, 1951 - 1974, Professor of Economics.
COCANOUGHER, LARUE AB, MA, EdD, 1966 - 1981, Professor of Education.
COLLINS, THOMAS P. AB, MA, EdD, 1967 - 1988, Professor of Educational Foundations.
COMBS, SR., DONALD G. BS, MA, 1963 - 1990, Assistant Professor of Physical Education; Athletics Director.
CONAWAY, MARTHA AB, MA, PhD, 1976 - 1992, Associate Professor of English.
CORNELISON, ANNA M. BS, MA, 1963 - 1976, Assistant Professor of Elementary Education.
CREAMER, EFFIE B. BS, MS, PhD, 1966 - 1991, Professor of Home Economics.
CREAMER, GLYNN N. BA, MAEd, EdD, 1966 - 1991, Professor of Mathematics Education.
CREECH, JACK E. AB, MA, EdS, 1956 - 1980, Associate Professor of History.
CRISWELL, MABEL AB, MA, 1970 - 1985, Associate Professor of Education; Director of Housing.
DARLING, FRED E. BS, MA, MAEd, DirR, DirPE, ReD, 1947 - 1984, Professor of Physical Education.
DAVIDSON, JAMES E. BS, MS, AMT, EdD, 1971 - 1986, Professor of Mathematics Education.
DAVIS, JAMES HOMER BS, MEd, 1949 - 1979, Professor of Industrial Education and Technology.
DECK, JOHN M. BS, PE Dir, PED, 1964 - 1992, Professor of Physical Education.
DEHOOP, WIETSE BAEd, MS, MA, EdD, 1969 - 1982, Professor of Special Education.
DEJARNETTE, NANNIE B. AB, 1967 - 1979, Assistant Professor of Library.
DIXON, WALLACE C. AB, AM, PhD, 1966 - 1987, Professor of Biological Sciences.
DOANE, LOLA T. AB, MAEd, PhD, 1970 - 1982, Professor of Educational Psychology and Counseling.
DOZIER, RANDOLPH AB, MA, 1959 - 1989, Associate Professor of Art.
DUVAL, MARC A. BBA, MBA, PhD, CPA, 1978 - 1985, Associate Professor of Accounting.
FRENCH, CACUS P. BS, MA, 1962 - 1978, Assistant Professor of Educational Foundations.
FRENCH, DAISY B. BS, MA, EdD, 1956 - 1989, Professor of Accounting.
FRETTY, RALPH E. BS, MA, MA, MALD, PhD, 1969 - 1993, Associate Professor of Political Science.
GAFFIN, ELBA B. AB, MEd, EdD, 1973 - 1986, Professor of Education.
GATWOOD, DEAN AA, BS, MA, 1947 - 1981, Professor of Art Education.
GENTRY, RICHARD LEE BS, MA, EdD, 1964 - 1983, Professor of Physical Education.
GEORGE, TED M. BA, MA, PhD, 1964 - 1988, Professor of Physics.
GIBSON, JR., CHARLES H. BS, MA, PhD, 1962 - 1990, Professor of Education.
GILLILAND, HUGH R. BS, MS, EdD, 1966 - 1991, Professor of Industrial Education and Technology.
GILLIM, MARION H. AB, MA, PhD, 1974 - 1979, Distinguished Professor of Economics.
GRAHAM, MARGARET O. BSE, MAEd, EdS, 1970 - 1992, Assistant Professor of Elementary Education, Laboratory School.
HAGER, OBERITA AB, MA, PhD, 1967 - 1977, Professor of Business Administration.
HALE, NORVALINE C. BS, MA, EdD, 1957 - 1989, Associate Professor of Management.
HANSSON, KENNETH S. BS, MEd, PhD, 1966 - 1991, Professor of Industrial Education and Technology.
HARRIS, JAMES S. AB, MA, 1965 - 1992, Professor of Mass Communications.
HARKINS, DOROTHY W. BS, MS, EdD, 1968 - 1985, Professor of Physical Education.
HATFIELD, BETTY K. AB, MSLS, 1963 - 1989, Associate Professor of Library Science.
HAYES, SUSIE BS, MEd, 1966 - 1992, Associate Professor of Elementary Education, Laboratory School.
HAYS, GLYNNA J. BS, MSEd, 1963 - 1986, Assistant Professor of Home Economics Education.
HENSEL, H. RICHARD BM, MM, DMA, 1967 - 1991, Professor of Music.
HESS, EDWIN A. BS, MS, PhD, 1969 - 1985, Professor of Biology.
HIBBARD, JANET G. BS, MA, EdD, 1961 - 1992, Professor of Marketing.
HISSOM, JACK R. BS, MA, 1967 - 1992, Assistant Professor of Health.
HOOD, GERTRUDE M. AB, AM, 1928 - 1972, Associate Professor of Health.
HORN, LINDSEY H. BS, MS, PhD, 1977 - 1987, Professor of Agriculture.
HOUSEHOLDER, WILLIAM A. BS, MS, PhD, 1965 - 1983, Professor of Agriculture.
HOWARD, AUGHTUM S. AB, MS, PhD, 1958 - 1972, Professor of Mathematics.
HOWARD, JOSEPH M. BS, MA, EdD, 1962 - 1979, Professor of Elementary Education.

HUNGARLAND, ROBERT L. BS, MBA, 1964 - 1984, Associate Professor of Marketing.
INGELS, MARY K. AB, MA, 1961 - 1974, Assistant Professor of French.
JEFFRIES, ELIZABETH L. BS, MS, 1967 - 1987, Assistant Professor of Elementary Education.
JENNINGS, MABEL W. BS, MA, EdS, 1947 - 1986, Professor of Elementary Education.
JINKS, VIRGINIA NILL BSEd, MA, 1963 - 1989, Associate Professor of Physical Education.
JONES, SANFORD L. BS, MS, PhD, 1961 - 1992, Professor of Biology.
KEARNS, JR., SHIRLEY AB, MA, 1962 - 1989, Assistant Professor of Physical Education, Laboratory School.
KINCER, ROGER D. BS, MAEd, Spec Tech, 1974 - 1992, Assistant Professor of Industrial Education.
KING, MILTON S. BBA, MS, DBA, 1975 - 1992, Professor of Management.
KOEPKE, BEN J. BA, MA, EdS, PhD, 1979 - 1990, Associate Professor of Traffic Safety.
LACKEY, JACKSON B. BS, MA, 1986 - 1992, Assistant Professor of Computer Science.
LADD, ROBERT L. AB, MA, 1963 - 1974, Associate Professor of French and Latin.
LAFUZE, HARVEY H. AB, MS, PhD, 1939 - 1976, Professor of Biology.
LAWSON, JOHN C. AB, MA, 1970 - 1990, Associate Professor of Music and Music Education.
LAY, ROBERT C. BS, MS, 1975 - 1986, Assistant Professor of Agriculture.
LEWIS, CLYDE J. AB, MA, PhD, 1946 - 1980, Professor of History and Social Science.
LUSHER, DIXIE B. MYLUM AB, MA, MRE, 1965 - 1984, Professor of Social Science.
LUTS, HEINO A. BS, MS, PhD, 1967 - 1988, Professor of Chemistry.
LYNN, RUBY RN, BSN, MSN, 1973 - 1987, Assistant Professor of Nursing.
MAHR, JAY C. BA, MS, PhD, 1968 - 1983, Professor of Physics.
MARCUM, WALTER BS, MA, EdD, 1964 - 1988, Professor of Educational Administration.
MARTIN, HENRY G. BA, MA, EdD, 1955 - 1975, Professor of Educational Administration.
MARTIN, LARRY O. BS, MA, 1960 - 1986, Assistant Professor of Industrial Education and Technology; Director of Food Services.
MAUPIN, MILDRED BS, MA, 1962 - 1991, Associate Professor of Physical Education.
MCCHESNEY, JAMES C. BS, MA, DirR, ReD, 1966 - 1992, Professor of Recreation.
MCGLASSON, ALVIN BS, MS, 1949 - 1983, Professor of Mathematical Sciences.
MCGLASSON, MARY AB, MA, 1967 - 1983, Assistant Professor of Biology.
MCHONE, WILLARD THOMAS AB, MEd, 1955 - 1987, Associate Professor of Art Education.
MCKENNEY, WILLIAM AB, MA, PhD, 1969 - 1989, Professor of Educational Foundations.
MESSMER, VICTOR C. BS, MBA, DBA, CPA, 1961 - 1988, Professor of Accounting.
MILLER, NANCY G. BA, MA, 1930 - 1972, Associate Professor of Library Science.
MOBERLY, MARGARET H. BS, MBA, 1946 - 1974, Professor of Business Education and Office Administration.
MORRIS, WILLIAM ALFRED BA, MA, EdD, 1969 - 1990, Professor of Elementary Education.
MOSS, WILLIE BS, MA, 1952 - 1975, Professor of Home Economics.
MOUNTZ, EDSEL R. BS, MA, 1956 - 1982, Associate Professor of Business Education and Office Administration.
MUNS, GEORGE E. BA, MA, PhD, 1969 - 1987, Professor of Music.
MYERS, THOMAS E. BS, MS, 1952 - 1979, Professor of Industrial Education and Technology.
NELSON, CHARLES L. AB, MA, PhD, 1967 - 1988, Professor of Spanish.
NELSON, PATRICIA R. BA, MA, EdD, 1983 - 1991, Assistant Professor of Special Education.
NEWOFF, THERESA C. AB, MA, 1967 - 1974, Assistant Professor of Art and Education.
NICHOLS, ROBERT L. BS, MA, PhD, 1969 - 1974, Distinguished Professor of Geology.
NOAH, KENNETH BS, MS, 1973 - 1991, Assistant Professor of Cooperative Education; Director of Cooperative Education.
NORDGULEN, GEORGE S. BTh, AB, BD, PhD, 1972 - 1992, Professor of Religion; University Chaplain.
OGDEN, FREDERIC D. AB, PhD, 1961 - 1980, Professor of Political Science.
OGLE, ROBERT L. BS, MS, EdD, 1966 - 1986, Professor of Industrial Education and Technology.
OLDHAM, JANET BS, MS, 1962 - 1974, Assistant Professor of English.
OWENS, GENEVA W. AB, MA, 1962 - 1980, Associate Professor of English Education.
PARK, NANCY R. AB, Certificate in LS, 1954 - 1968, Assistant Professor of Library.
PARK, SMITH BS, MS, PhD, 1923 - 1967, Professor of Mathematics.
PARKER, IVOL G. BA, MA, PhD, 1978 - 1984, Assistant Professor of English.
PATTERSON, KERMIT BS, MBA, EdD, 1955 - 1982, Professor of Business Administration.
PEOPLES, L. CROCKER BS, PhD, 1970 - 1987, Associate Professor of Psychology.
PHILLIPS, ODELL BS, MA, PhD, 1965 - 1989, Professor of Physical Education.
PHILLIPS, RUTH T. BS, MS, 1978 - 1987, Assistant Professor of Home Economics.
POSEY, ROBERT W. BA, MS, EdD, 1966 - 1983, Professor of Police Administration.
POWER, LOUIS A. BS, MA, 1969 - 1982, Assistant Professor of Education.
PRESNELL, GLENN E. BS, 1947 - 1972, Assistant Professor of Health and Physical Education.
RAGLAND, ELIZABETH AB, MA, 1967 - 1975, Associate Professor of Mathematics.
RALEIGH, VERA V. AB, MA, 1959 - 1970, Associate Professor of Geography.
RANDALL, ROBERT W. AB, MA, EdD, 1967 - 1978, Associate Professor of Social Studies Education.
REED, HELEN M. AB, BA, MA, EdD, 1965 - 1970, Professor of Secondary Education.
RHODES, BYNO R. BA, MA, PhD, 1958 - 1983, Professor of English.
RICHARDS, ROLLIN R. AB, MBA, 1929 - 1966, Professor of Business.
ROBINSON, GEORGE W. BS, MS, PhD, 1956 - 1991, Professor of History.
ROBUCK, JR., BENJAMIN EDWIN AB, MDiv, MRE, MA, PhD, 1975 - 1989, Associate Professor of Correctional Services.
ROBUCK, LUCILLE B. MSSW, JD, 1971 - 1989, Associate Professor of Police Studies.
ROSS, CHARLES L. BA, MA, EdD, 1963 - 1982, Professor of Educational Administration.
ROTTERSMAN, LEON BA, MA, PhD, 1966 - 1984, Professor of Psychology.
ROWLETT, JOHN D. BS, MS, EdD, 1951 - 1993, Professor of Technology; Vice President, Academic Affairs and Research and Dean of Faculties.
RUDERSDORF, WARD J. BS, MS, PhD, 1967 - 1982, Professor of Biology.
SAMS, ETHEL BS, MA, 1963 - 1979, Associate Professor of Elementary Education.
SAYLOR, ELIZABETH NEWBY RRA, BS, MAEd, 1979 - 1986, Assistant Professor of Health Record Science.
SCHMITT, RICHARD G. SM(ASCP); BS, MS, 1979 - 1991, Associate Professor of Medical Technology.
SCORSONE, FRANCESCO G. BA, PhD, 1965 - 1986, Professor of Mathematical Sciences.
SCORSONE, MARIA G. BA, PhD, 1968 - 1991, Professor of Spanish.
SCOTT, BRETT D. BS, MEd, EdD, 1967 - 1991, Associate Professor of Correctional Services.
SEBOR, MILOS M. DR.ILLD, MA, PhD, 1968 - 1980, Professor of Geography and Planning.
SEXTON, WILLIAM E. BS, MEd, EdD, 1957 - 1986, Professor of Industrial Education and Technology.
SHINDELBOWER, DANIEL N. AB, MA, 1961 - 1984, Professor of Art.
SHIPLEY, CHARLES V. LLB, 1968 - 1980, Professor of Traffic Safety.
SLOAN, PAULINA RN, BS, MA, 1970 - 1979, Professor of Nursing.
SMITH, CLAUDE K. BS, MRE, MBA, CPA, 1964 - 1989, Professor of Accounting.
SMITH, DOROTHY H. BS, MA, 1966 - 1980, Associate Professor of Elementary Education.
SMITH, ETHEL B. BA, BS, MA, EdS, 1972 - 1988, Assistant Professor of Elementary Education.
SMITH, KATHLEEN BA, MA, 1966 - 1986, Assistant Professor of English.
SMITH, THEODORE N. BA, MA, PhD, 1970 - 1993, Professor of Speech.
SNOWDEN, JAMES G. AB, MA, EdD, 1954 - 1979, Professor of Educational Psychology.
SOUTHWOOD, HOWARD D. AB, MEd, EdD, 1969 - 1982, Professor of Educational Psychology and Counseling.
SOWDERS, JEANNETTE B. AB, MA, 1969 - 1987, Assistant Professor of Library Science.

STANALAND, PEGGY BA, MA, PED, 1968 - 1992, Professor of Physical Education.
STARK, ANNA M. AB, MA, 1963 - 1972, Assistant Professor of Elementary Education.
STARK, BEN AB, MA, 1967 - 1975, Associate Professor of Social Work.
STEPHENS, JR., SIDNEY BS, MS, 1956 - 1980, Associate Professor of Mathematics.
STOCKER, JAMES W. BS, MS, 1946 - 1985, Professor of Agriculture.
STONE, KARA L. AB, MA, 1969 - 1992, Assistant Professor of Social Science.
STULL, JAMES C. BSEd, MS, PhD, 1965 - 1989, Professor of Educational Foundations.
STULL, MARJORIE JEANNE BSEd, MAEd, 1970 - 1983, Assistant Professor of Health and Physical Education.
SUTTON, DORIS G. BA, MA, PhD, 1969 - 1986, Associate Professor of English.
SWINFORD, WILLARD E. BS, MA, 1955 - 1983, Professor of Industrial Education and Technology.
TAYLOR, MARY LOU BS, MA, Diploma (Social Work), 1964 - 1985, Assistant Professor of Social Science.
THOMAS, EARL M. BM, MM, 1969 - 1992, Professor of Music.
THURMAN, JAMES W. BS, MA, 1962 - 1983, Assistant Professor of Health and Physical Education; Director, Division of Alumni Affairs.
THURMAN, KELLY AB, MA, PhD, 1966 - 1979, Professor of English.
THURMAN, MARGARET MUNCY BS, MS, 1964 - 1983, Assistant Professor of Medical Assisting Technology.
THURMAN, MARY J. AB, MSLS, 1966 - 1980, Assistant Professor of Library Science.
TODD, JUANITA AB, MA, 1960 - 1988, Professor of Art.
TORBETT, DANIEL L. BS, MS, EdD, 1965 - 1988, Professor of Industrial Education and Technology.
TSAO, KAI-FU BA, MA, PhD, 1965 - 1986, Associate Professor of History.
TUNNELL, KENNETH D. AB, MA, EdD, 1962 - 1992, Professor of Social Science.
TURNER, RICHARD BS, MT, EdS, 1974 - 1982, Associate Professor of Education.
ULLMAN, ROBERT W. BS, MA, EdD, 1971 - 1981, Professor of Police Administration.
VAN CLEVE, BETTY W. AB, PhB, MA, Certificate in LS, 1962 - 1966, Assistant Professor of Library Science.
VICKERS, JOHN L. BS, MA, 1960 - 1978, Associate Professor of Education; Director, Division of Placement.
VOIGHT, JESSELYN W. RN, BSNEd, MA, PhD, 1976 - 1985, Professor of Nursing.
WALKER, J. MURRAY AB, BD, ThD, 1966 - 1992, Professor of Anthropology.
WALKER, JO ANN BS, MA, EdS, 1971 - 1990, Associate Professor of Education; Elementary Counselor, Laboratory School.
WARMING, VIRGINIA E. AB, MA, EdS, 1974 - 1993, Associate Professor of English.
WARREN, NED L. BS, MA, 1967 - 1979, Professor of Health and Physical Education.
WARREN, ROSE L. BS, MA, EdS, 1967 - 1979, Assistant Professor of Elementary Education.
WATKINS, WILLIAM H. BS, MS, PhD, 1968 - 1989, Professor of Psychology.
WAY, JAMES S. BS, MA, 1967 - 1983, Associate Professor of Industrial Education and Technology.
WHITLOCK, THELMA W. BS, MA, 1957 - 1974, Associate Professor of Education.
WHITT, JR., A. L. BS, MS, 1948 - 1982, Professor of Biology.
WIDENER, LEONARD N. BS, MS, MEd, 1969 - 1992, Associate Professor of Social Studies Education.
WILLIAMS, EDITH BA, MA, MA, PhD, 1964 - 1985, Professor of English.
WILLIAMS, JOHN C. BS, MS, PhD, 1969 - 1985, Professor of Biology.
WILSON, A. CLIFFORD BS, MA, CPA, 1970 - 1990, Associate Professor of Accounting.
WILSON, SISTER MARY AGNES RN, BSN, MA, 1974 - 1986, Assistant Professor of Nursing.
WISE, JOE AB, MA, EdD, 1969 - 1991, Professor of Educational Administration.
WOLFROM, LYLE C. BM, MM, MM, 1960 - 1993, Professor of Music.
WOOLUM, LEONARD F. AB, MA, EdD, 1957 - 1982, Professor of Educational Foundations.

RETIRED ADMINISTRATIVE STAFF

BARKSDALE, MARTHA AB, 1934 - 1976, Assistant Registrar.
BIVINS, CLAUDE H. BS, 1967 - 1977, Director of Institutional Services.
BROADDUS, LOUISE 1936 - 1966, Recorder, Office of Registrar.
CAMPBELL, HALLIE 1968 - 1983, Residence Hall Director.
CASTLE, SHIRLEY AB, MA, 1967 - 1978, Director of Personnel.
COLEMAN, MINNIE 1957 - 1980, Administrative Assistant, Division of Athletics.
CONDER, GERALDINE M. AB, 1974 - 1983, Administrative Assistant, College of Applied Arts and Technology.
CONGLETON, RUTH G. 1966 - 1982, Administrative Assistant, College of Natural and Mathematical Sciences.
GABBARD, RAYMOND 1954 - 1984, Assistant Director, Physical Plant.
GATWOOD, GRACE AB, MA, 1966 - 1984, Administrative Assistant, Academic Support and Undergraduate Studies.
GIBSON, HENRY CLAY 1973 - 1992, Buildings Crafts Supervisor, Physical Plant.
GORMAN, POLLY 1969 - 1981, Administrative Assistant to the President; Secretary, Board of Regents.
HAGAN, ADA JO 1965 - 1975, Residence Hall Director.
HARKINS, HOWARD 1968 - 1984, Office Manager, Physical Plant.
HOLDER, MYRTIE B. 1957 - 1967, Residence Hall Director.
HOOD, JUDITH MD, MPH, 1985 - 1991, Physician, Student Health Services.
HUTCHINSON, JACK 1968 - 1990, Assistant Director, Family Housing Rental.
JEFFRIES, FOWLER 1977 - 1982, Supervisor, Physical Plant.
LONG, LORRAINE 1965 - 1983, Administrative Assistant, Division of Purchases and Stores.
MORRIS, CHARLOTTE 1962 - 1991, Catering Manager, Division of Food Services.
NEWSOM, GOEBEL W. AB, 1969 - 1990, Assistant Director for Information, Division of Admissions.
POTTS, CARRIE 1944 - 1974, Administrative Assistant, Office of Registrar.
PRYSE, HENRY F. AB, MA, 1959 - 1985, Assistant Director for School Relations, Division of Admissions.
RIVES, RHEA 1968 - 1985, Assistant Residence Hall Director.
ROBBINS, GENE B. 1966 - 1993, Assistant Director, Engineering Division of Media Resources.
SHANNON, MARY 1963 - 1981, Registered Nurse, Student Health Services.
SHULL, GRAYCE 1969 - 1978, Assistant Residence Hall Director.
SMITH, DONALD H. AB, MS, 1966 - 1985, Registrar.
SMITH, GARRETT 1967 - 1990, Manager, Powell Cafeteria.
STAPLETON, WILLIAM BS, 1967 - 1977, Bursar.
STEPHENSON, ELMER B. AB, 1970 - 1977, Safety and Security.
STONE, JOY B. 1968 - 1985, Coordinator, Student Employment.
TIPTON, ELSIE C. 1971 - 1988, Administrative Assistant, College of Health, Physical Education, Recreation, and Athletics.
WALKER, DONALD K. 1969 - 1993, Chief Engineer, Division of Media Resources.
WAY, ANNA W. 1969 - 1991, Administrative Assistant, Office of Academic Support and Undergraduate Studies.
WEYHRAUCH, ERNEST E. BA, MS in LS, MA, 1966 - 1991, Dean, Libraries and Learning Resources.
WHITTAKER, SUSAN 1965 - 1992, Facilities Manager, Student Development.
YATES, BROWN LEE BA, 1968 - 1981, News Editor.
ZACHEM, MILLIE 1969 - 1978, Residence Hall Director.

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